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DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper and Prices Current on
Chemicals, Drugs, Colors, and Aromatics

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VOL. XVI

NEW YORK, FEBRUARY 25, 1925

No. 8

U. S. Department of Agriculture

DYESTUFFS

INTERMEDIATES

PHARMACEUTICALS



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In This Issue { *Dr. Schuster on the Newest Solvent*
Primary Market Crude Drug Prices

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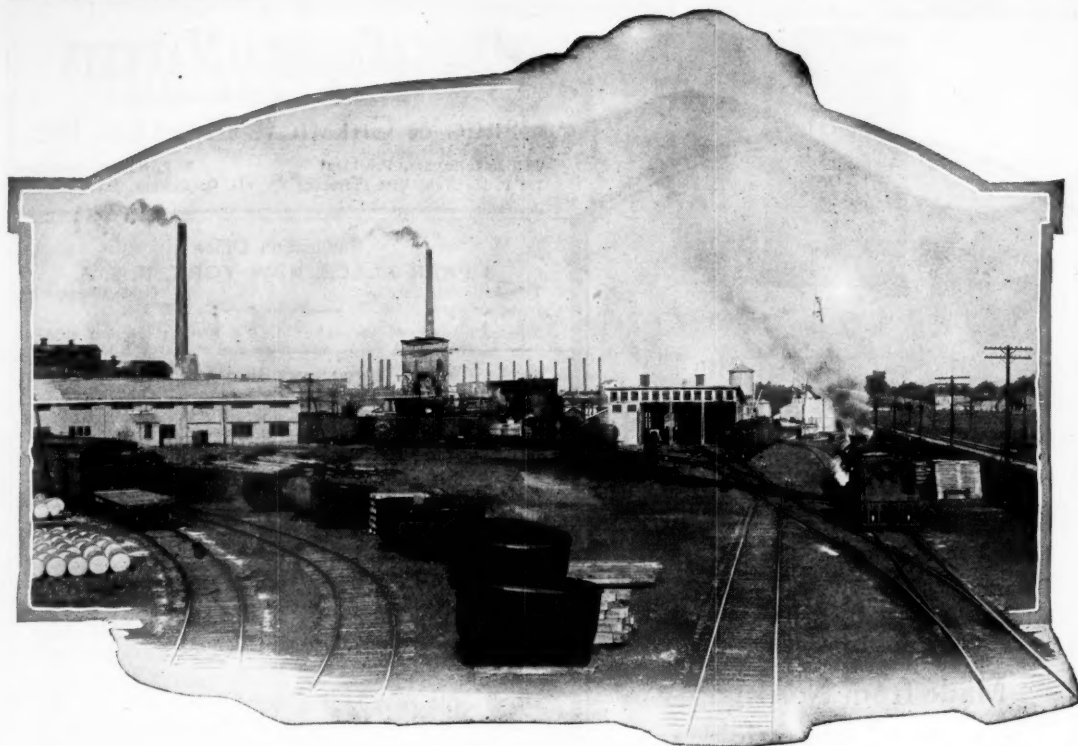
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The Week in Brief

News

Formation of a new German dye trust to compete in the markets of the world and to recapture the American textile market is confirmed by advices received in New York.

Dr. J. Fritz Schuster has written an article for "Drug and Chemical Markets," on "Cyclohexanol, a new solvent."

The market position of leading crude drugs is discussed by D. L. Silverman in this issue of "Drug and Chemical Markets."

Mathieson Alkali Works earned less in 1924 than in 1923, but President Allen reports that changes in the company's plants will be completed soon and the year 1925 promises better business.

A report on the dyestuff situation in the calf leather tanning industry, reviewing the cost of tanning materials in Europe and prices at which tanning materials can be bought in the United States, has been made by the Bureau of Foreign and Domestic Commerce in co-operation with the Tariff Commission.

Markets

Industrial chemicals register but little change and market generally quiet but firm. Barium chloride lower for shipment. Potassium chlorate higher. Carbon bisulfide easy.

Intermediates quiet owing to small buying of dyestuffs in textile quarters. Demand for accelerators reported good. Ortho-nitrotoluene and ortho-toluidine higher. Crudes unchanged.

Linseed oil continues steady at last week's reduction with Chinawood oils still easy and other vegetable oils quiet. Animal oils show small demand and an easy tone with fish oils remaining quiet.

Fine chemicals are in fair demand only. Alcohol has been cut by makers. Codliver oil firm for shipment. Imported citric and tartaric acids firm.

Essential oil market is featured by firmness in the Messina essences. Oil peppermint advances again. Oil cedar wood in better supply.

Crude drugs are showing a disposition to ease off. Senega root easier. Cascara sagrada offered more freely. Cardamoms scarce.

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DRUG & CHEMICAL MARKETS

VOL. XVI

NEW YORK, FEBRUARY 25, 1925

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SIMPLIFIED CONTRACTS

In one of the many busy bureaus in Mr. Hoover's Department they are drafting two uniform contracts under which, it is planned to do all purchasing of basic raw materials and fabricated goods for all uses of the Federal Government. This is a logical step both in the standardization of Government buying and in the broad simplification campaign that is being so actively and energetically and successfully fostered by the Secretary of Commerce. The Department expresses confidence in its ability to draft contracts so broad that only two forms will be necessary; and their work is under legal advice from the Attorney General's office and with the cooperation of the Association of Purchasing Agents.

About a year and a half ago a Joint Committee, representing the Manufacturing Chemists, the Synthetic Organic, and the Salesmens Associations drew up a uniform chemical sales contract. Very competent legal advice pronounced that contract sound. Many leaders in all branches of the industry recognized its advantages. It was drawn up along lines suggested by the Purchasing Agents, and would have had their official endorsement, had it not been torpedoed in a way not very complimentary to certain branches of the chemical trade. It is a bit ironical that these same branches are large purveyors to the Government and they are in a fair way of being instructed to sell under a uniform contract very similar in terms and almost identical in form to the one they did not support when drawn up by the chemical industries. It is more than ludicrous that the terms of sale of chemicals should not only be dictated by the buyer, but the sales contract also drawn up by his own lawyers.

THE SEWAGE OPPORTUNITY

Some years ago, it was said that great cities always seem to be located on large rivers. Later, someone remarked that Manhattan is an island entirely surrounded by sewage. The real facts are that America, east of the Mississippi, is located on a thousand and one large and small rivers and big and little lakes, and that these waters are supposed to furnish food, drink, an industrial and domestic solvent, bathing, sewage disposal, and scenery. This is a large order and can no longer be filled

except by great effort. If rivers were long enough and lakes big enough, and there were fewer people, there would be no sewage problem. The hard cold facts must be faced.

The chemical industry is vitally interested, and as it has already done a good job in making drinking water minus typhoid possible, it should go on and attack the sewage problem. An outstanding agent for this purpose is chlorine, a cheap and effective oxidizing agent. Chlorine is steadily increasing in use in disposal plants of various kinds ranging from the chlorination of raw unscreened sewage to the latest word in sewage effluent. The problem is a very complicated one and not to be solved overnight, but it must be solved chemically. Sewages are chemical and biological bodies plus water. The products of sewage disposal are some fertilizer and water and this water must be used again and again. Sewage treatment, like charity, should begin at home. The day of passing on your sewage by some convenient river to your neighbor further downstream is about over:—unless you can render the sewage innocuous. This is a problem of chemistry and an opportunity for the whole chemical industry.

KILL IT!

Senator Borah would like to return the German property seized during the war, including the chemical patents on which American companies have spent hundreds of thousands in research work in order to make them workable. Having obtained the legal ownership, the German companies will immediately seek to enjoin manufacturers in the United States from selling similar products here and will flood the American market with the "original and only" this and that "made in Germany." Senator Borah cares very little for American industries built up at great expense. He would scrap many chemical factories and dye plants, the first line of defense, the only source of quickly available war gas in case of attack by an enemy.

The German owners of many of these patents were active in the United States during the war, devising plans to blow up arsenals, burning transportation facilities both by rail and water, and supplying funds to carry on a campaign of espionage that furnished the enemy with valuable in-

formation that culminated in the sinking of the *Lusitania*.

The patents and the plants of these secret, unfriendly aliens were seized under authority of Congress which passed the Trading-with-the-Enemy Act. The right to demand and take over enemy property was vested in the President of the United States, and supreme authority to act was given to him as a war power in a great emergency and his acts cannot be questioned or nullified.

Ever since the day of exposure and punishment of the country's secret enemies, bitter protests have been made by certain Senators and Representatives and by so-called citizens whose financial interests are bound up in German trade, in efforts to have the patent rights restored to German companies which even today are borrowing money in this country to develop dye and chemical plants which will make it possible for Germany to manufacture war material on short notice.

What sound reason is there for returning these patents? Why undo all the work of years done legally and justly under our own laws and the law of nations? Has the Senate lost its sense of proportion and its feeling of justice, or forgotten the misery and suffering caused by the war? We doubt it, and consideration of such a bill as the measure introduced by the Senator from Idaho should be brief and to the point. Kill it!

The precautions taken by the Bureau of Foreign and Domestic Commerce, Department of Commerce, to protect, as far as possible, American firms answering inquiries from foreign firms and corporations wishing to buy drugs and chemicals are explained by A. S. Hillyer of the Bureau in a recent issue of "Commerce Reports." If the transaction is to be on a credit basis the Bureau is able to give sources of credit information. The "Foreign Trade Opportunities," which are published in *DRUG & CHEMICAL MARKETS*, come from the field forces of the Departments of State and Commerce and are accompanied by detailed information regarding the foreign inquirers. No charge is made for the service, but American firms must register with the Bureau of Foreign and Domestic Commerce for admission to the "Exporters' Index." Leading firms testify to valuable and permanent sales contracts which have resulted from use of the service.

First the Germans borrowed six million dollars in the United States to improve their dye plants in order to be in a position to recapture the American market for textile and other colors. Now they have bought up American owned shares in German potash mines in order that certain interests may gain control of the German Potash Syndicate and advance prices on exports of potash to the United States. We are certainly helping Germany to recuperate all right, but the American dye industry and American agriculture will pay the bill.

Science and Sales

In sugar juice purification, aluminum sulfate treated with ammonium carbonate is used to replace lime with quicker evaporation, no scale formation, no inversion of the sugar, and complete removal of albumins.

The production of cyanamide has increased greatly in Switzerland owing to increased demand for phosphazote as a fertilizer. This is a mixture of urea and superphosphate running 4 to 11% nitrogen and 14% P_2O_5 . New factories were built in 1924 at Rouen and Arras, France, and in the Pyrenees.

Hexylresorcinol, a new antiseptic for infections of the kidneys and urinal tract, reputed to be fifty times as strong as phenol in antiseptic power while producing no harmful effect on humans, has been developed by Johns Hopkins School of Hygiene and Public Health, headed by Dr. Veader Leonard after research work covering more than ten years.

Calcium chloride is superior to sodium silicate in curing concrete for road building purposes, according to tests made by H. J. Kuelling, published in the "Engineering News Record." The tests show quite conclusively that one of the most important factors in the proper curing of concrete is to prevent its exposure to the sun and wind.

Solutions of caustic soda and soda ash, applied directly to the surface under pressure, are being used to remove paint and varnish from automobiles for lacquering with the new butyl acetate products.

Copper amalgam is being used as a permanent filling in root cavities in teeth, according to "The Dominion Dental Journal", Toronto. This new filling is reputed to eliminate infection at the roots of the teeth which developed with the older types of fillings.

Lactates added to the wort in butyric fermentation of carbohydrates in the production of butyl alcohol, increase the yield of butanol and reduce the proportion of acetone formed.

Chlorine in flour in minute quantities improves the dough making qualities of flour for bread and other bakery products. The flour is treated so that about a half of one per cent. of the chlorine combines. Too much chlorine makes the flour sticky.

A fungicide for treating seed grain, patented in Great Britain, is made by mixing corrosive sublimate or other mercury salt with sodium phenolate, sodium cresolate, or salts of naphthol or chlorophenol. Salt is added to increase the solubility of the product.

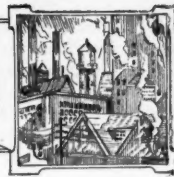
Ill-smelling impurities in isopropyl alcohol, derived from hydrocarbon sources such as gases from petroleum cracking, may be deodorized by treatment with 0.1 per cent. solution of potassium permanganate which has a selective oxidizing action on these impurities.

Kaolin may be bleached and impurities removed by putting it in suspension in a solution of sulfur dioxide (sulfurous acid) and passing the material over zinc in the form of small pieces in tubes.

Textile fabrics may be decorated with metallic silver by successive treatment with potassium iodide, silver nitrate and copperas solutions. Fixatives such as all men are used with bronze powders, metallized by mordanting in hot tin bichloride solution and cooking in a water suspension of silver.



Industrial Chemical SECTION



Cyclohexanol—The Newest Solvent

How the Latest Addition to the Family of Industrial Solvents, Colloid Carriers, Emulsifying Agents, and Plasticizers is Made and Used in Germany

By Dr. J. FRITZ SCHUSTER, Rosslau, Germany

CYCLOHEXANOL is known scientifically as hexahydorphénol, and in technical circles as hexalin. The "Riedel-Aktiengesellschaft" manufacture it at their tetralin plant Rodleben near Rosslau (Germany) by catalytic hydration of phenol. It is controlled commercially by the same firm.

Reduction with hydrogen gas with the aid of a catalyser (reaction of Sabatier and Senderens) is susceptible to fairly general use, but requires individual adaptation for different materials, inasmuch as certain conditions of temperature and pressure must be maintained, if the process of production is to be thoroughly efficient and economical. Nickel is the catalyser used. Manufacture of cyclohexanol by the use of mixed oxides, as for instance nickel oxide and copper oxide or manganese oxide (a process suggested by the Aktiengesellschaft fuer Anilinfabrikation) does not seem to have been carried out on any industrial basis, although it had been expected that metallic oxide catalysers would prove particularly effective.

Today highly active nickel is used, which is generally obtained by reduction of nickel oxide, but it must still contain traces of oxide, as experience has shown that metal which is completely free of oxygen is far less satisfactory. The catalyser is exceptionally sensitive to a large number of certain substances, so-called contact poisons. Thus, traces of halogenes are sufficient to completely destroy the catalytic activity. Of the many other contact poisons which may be present in the hydrogen used, I will mention, because of their importance arsenic hydride, phosphorous hydride, hydrogen sulfide and above all the dreaded carbon monoxide. Therefore the hydrogen used, which is generally made from water-gas, must be meticulously purified.

The most favorable temperature for the hydrogenation of Phenol has been determined as 180°C, therefore the controlling reaction takes place in the gaseous system. Increased pressure will, as generally in such cases, accelerate the process. The raw-product obtained still contains impurities, 5-10% unattached phenol and small quantities of cyclohexan and cyclohexanon. By passing this product a second time through the catalysing process, both the remaining phenol and the cyclohexanon are changed by cyclohexanol. An even formation can

Cyclohexanol, although it has been known and used for more than ten years, has only come into industrial prominence within the past year or so as a solvent, emulsifying agent, colloid medium, plasticizer, disinfectant, intermediate solution agent, water repellent, and chemical raw material. The product is made only by the Riedel. Aktiengesellschaft near Rosslau, Germany, and more recently by Howards & Sons, Ltd., in England. Although its use is quite broad in Europe and increasing steadily. American use is still in the experimental stage.—The Editors.

also be obtained by dissolving the phenol in a little water before undertaking the reaction. The manufacturing process has been technically improved, so that it is carried out in one operation.

Before taking up the various possibilities and practical uses of cyclohexanol, it may be interesting to give a brief review of its properties, especially as some of them, by their very nature, open up certain fields of usefulness. Its specific gravity is 0.945, its boiling point 160°C, its flash point 68°C. Cyclohexanol can be strongly supercooled. Once solidified, it will melt at 16-17°C. It is free from acids and resin and has a viscosity of 3.5° Engler or more. Of particular interest is its ability to dissolve and emulsify bodies, which are ordinarily not readily soluble, and it is largely due to this property that cyclohexanol has found a place in many and varied branches of industry. On the other hand, it is easily soluble in certain media, so that the indirect method can be followed, whenever there are obstacles in the way of direct action.

The odor of cyclohexanol is not exactly unpleasant and in no way injurious. It takes weeks of intensive action for it to become irksome. Fortunately, though, in its principal spheres of usefulness it is employed in a strongly diluted form, and where greater concentration is necessary, the odor can be disguised by the addition of decalin or similar substances.

More than ten years ago, cyclohexanol found an unusual technical use. By heating it to about 500°C, it can be transformed with very slight loss to erythren which is related to isopren, and serves like the latter to make artificial rubber, platinum, quartz, etc. are used as catalyzers to bring about the reaction. The disintegration, for that is the process which takes place, is instantaneous and accompanied by an active development of gas. It is brought about by letting hexanol drop into an iron tube heated to a temperature of 600°C.

Its Versatility as a Solvent

Cyclohexanol is a solvent or emulsifying agent for fats, oils, waxes, resins, artificial resins, mineral oils, highly oxydized fats, linoxyn, rubber, acetyl-cellulose, celluloid, fatty acid and resin-acid, metallic salts, etc. In some cases the esters of cyclohexanol, and principally its formate and acetate, are more powerful as solvents,

and therefore used in special cases, for instance, they are an excellent substitute for amylacetate.

While cyclohexanol is practically insoluble in water, and, at the most, forms an emulsion with it, it is readily soluble in watery soap solutions, and a small quantity of soap will dissolve many times its volume of cyclohexanol. The clear solutions thus obtained are admirably suited for all kinds of cleaning purposes, since they remove all stains or impurities caused by fats, oils, mineral oils, etc. very rapidly and without in any way injuring the texture. Even chalk or magnesia soaps are easily assimilated by cyclohexanol or its soap-solutions, and it can therefore be very highly recommended when only hard water is available.

High efficiency as a washing and cleaning agent, and its solubility give it an almost unlimited field of usefulness in the entire textile industry. The development of lather is not affected, unless very large quantities of cyclohexanol are added. This, however, is generally avoided anyway, because continued exposure to the odor of cyclohexanol has an influence on the workers. Dekalin, which is recommended to overcome this drawback, is perfectly safe in use as its flash point is also around 68°C.

Liquid Cyclohexanol Soaps

A number of liquid cyclohexanol soaps have been put on the market under various trade names, such as Savonade, Texapon, Texalin, Hydralin, etc. There are also some solid soaps containing up to 10% Cyclohexanol. These are identical in appearance to ordinary curd soaps, lather copiously and possess a greater cleansing power. It is, in fact, surprising that cyclohexanol preparations have not found a more widespread use in every-day life as cleaning fluids. In the textile industry a number of water soluble degreasing agents are used, but these are, without exception, greatly inferior to cyclohexanol products.

Mineral oil mixtures of monol soap and olein give products which are soluble in water with an oil percentage of 20-25%, and are used for scouring wool, etc. Mixtures of mineral oil and cyclohexanol can be prepared with a far higher percentage of oil content. These solutions fulfill the same purpose and can be removed from the textiles far more easily and thoroughly. Such mixtures of cyclohexanol and mineral oil with an oil content of 60% can even be easily washed out of the yarn after weeks in luke warm water.

It is difficult to estimate the number of industries in which cyclohexanol can be profitably employed. But this does not, by any means, exhaust its possibilities. In the paint and varnish industry, for instance, siccatives, such as metal resins, metallic oleates dissolve freely in cyclohexanol and its esters. These solutions can then be utilized further according to the general practice of the industry. These preparations are particularly interesting because of their great resistance to weather influences, etc. Linnoxyn solutions are also readily available and, with the usual solvents, can be used in enamels. Cyclohexanol is also an advantageous solvent for zapon and gellon enamels which are becoming more and more popular. They give valuable elastic enamels, repelling water. They are colored with colloidal dyes. These products can also be utilized to manufacture waterproof fabrics by saturating the threads with them before weaving. Such materials are waterproof, but do not prevent transpiration.

As a Plasticizer

This leads us to an allied field, which may be included here: The manufacture of elastic and plastic products. Suitable use of cyclohexanol and its esters has enriched

this industry by several new and valuable products. By working up cellulose-ester with phthalic acid cyclohexanolesters, products of remarkable resilience and pliability are obtained, which are used for films, etc. Different elastic masses of peculiar properties are produced by kneading together solutions of rubber and celluloid or cellon with cyclohexanol. These can be colored with colored earths distributed by means of the colloid mills.

If colloidal mica dust is mixed with the above products a very good insulating material can be obtained. If the solvent is evaporated from the zapon cyclohexanol, and cellon cyclohexanol paints, the residue is an elastic mass, repelling water, and suitable for the manufacture of buttons, umbrella handles, imitation tortoise shell, etc.

In the Rubber Industry

The fact that cyclohexanol is a solvent for rubber has led to its use as an agent for eliminating rubber from crude rubber, vulcanized rubber scraps, etc. It is possible that cyclohexanol may provide a means of reworking rubber scraps on a technically profitable basis.

It is very well adapted for the preparation of shoe creams, floor waxes, metal polishes, wood veneers, leather dressings, etc. by dissolving or emulsifying in it, in the usual manner, the solid raw products to be used. The syrupy character of the cyclohexanol prevents a rapid drying out. This viscosity also makes it a good lubricant which is absolutely free of acid or resin. The character of the lubricant can be varied for special purposes by suitable admixtures of greases, mineral oils and other hydrocarbons. There remain a few special uses to be enumerated. It is particularly interesting—like other hydrogenated substances—as a fuel for combustion engines.

However, on account of its viscosity, it is not suited for direct use as a liquid illuminant. But if the viscosity is lowered by admixtures of cyclohexanon, liquid carbohydrates with an ignition temperature of over 21°C (for instance Dekalin) or under certain circumstances of alcohol, excellent liquid illuminants are produced. "Solid" heat and light can be produced—as with alcohol—by solidifying the cyclohexanol. This is done by compounding it with solid soaps, saturated fatty acids, saponified or unsaponified waxes. The advantage is that far smaller quantities are required than for solid alcohol. These solid fuels burn with a light flame and without smoke or soot.

Has Disinfectant Properties

As a derivative of phenol, cyclohexanol retains the disinfecting properties of the former. It is frequently used as a disinfectant and protective for seeds. Occasionally, it is combined with other known disinfectants to preparations of varying power and uses. Various means have been suggested to reduce the rapidity of evaporation of benzines and gasoline. The simplest and one of the most satisfactory methods of doing this is to add cyclohexanol, which can remain in the gasoline or benzine, no matter what it is to be used for, and without any fear of unsatisfactory after-effects. Finally it may be mentioned as a preservative for wood and similar bodies.

It will be apparent from this brief review that in the short period of its existence cyclohexanol has gained a footing and proven its value in many varied fields. The scope of its usefulness can still be considerably enlarged, and it is gradually becoming more and more popular. However, there still exists in certain technical circles a marked distrust of it—which is probably due to the very natural prejudice against anything that resembles a "cure-all," and has such wide and varied uses.

Leather Dyes Cheaper in U. S. Than Abroad

Margin in Favor of American Tanners Found by Investigation Made by the Bureau of Foreign and Domestic Commerce In Co-operation with the U. S. Tariff Commission—Average Price Per Pound Paid by American Tanners Was 67 Cents—Entire Requirements of Calf Tanners in the United States Met by American Dye Manufacturers—Six of the Fourteen Dyes Used by Tanners Account for Seven-Eighths of Their Requirements.

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Feb. 25.—Prices paid by calf leather tanners in the United States are lower than prices paid by tanners in Europe according to a report just published by the Bureau of Foreign and Domestic Commerce in co-operation with the U. S. Tariff Commission. The report says in part:

The quantity of dyes used annually by the Calf Tanning Industry in the United States accounts for less than three fifths of one per cent. of the total U. S. production of coal-tar dyes.

The fourteen dyes used as the basis of investigation comprise 70% of the total number and 90% of the total quantity and value of all coal-tar dyes consumed by the domestic calf tanners.

Six of the fourteen dyes, in order of their relative importance to the calf tanners, namely: Bismark Brown, Direct Deep Black EW, Nigrosine WS, Phosphine, Resorcine Brown, and Orange II, account for seven eighths of the tanners requirements.

The entire requirements of our calf tanners for the specified 14 dyes are met by products of American manufacturers.

Ninety-eight per cent. of all the calf tanners consuming requirements for dyes in 1923 were filled at general average prices irrespective of source at 11% below the average sales prices recorded in the Tariff Census of 1923, and 70% of their requirements purchased direct from manufacturing sources was obtained at 18% below.

It was found that the dyes used by Austria, Belgium, Czechoslovakia and Dutch calf skin tanners are of German origin and subject to an agent's or distributor's profit; therefore our field was narrowed, to a value comparison between the dyes of English, French and German origin with those produced in the United States.

American Prices Lower

We find that American prices of the fourteen dyes are comparable with those prevailing in these countries of Europe, and for the six major dyes enumerated above which make up seven eighths of the U. S. calf tanners' demand, the American price is not only comparable, put, in most instances, lower than the price which his competitor in Europe must pay.

All the dyes reported upon are of domestic production. In fact all of the dyes listed with the exception of Methylene Blue and Phosphine were manufactured in the United States prior to 1914.

Features of the Analysis

The total dye requirements of the calf tanners accounted for less than three-fifths of one per cent. of the total United States production of dyes which, according to the U. S. Tariff Commission, "Census of Dyes and Coal-Tar Products, 1923," amounted to 93,000,000 pounds.

The average annual consumption of the 14 listed dyes by each tanner was 24,068 pounds, yet but 7 firms purchased in excess of the average, and 5 firms purchased

over one-half of the total quantity. The largest consumer required about six times that of the smallest.

Twenty of the twenty-one firms composing the membership of the Calfskin Tanners Association of the United States submitted reports as follows:

CALFSKIN TANNERS CONSUMPTION OF DYES, 1923

Schultz No. and Name of Dye or Color.	Tanners Annual Consumption in Pounds	Value of Dyes consumed by Tanners	General Average Price Pound
BLACK	175,995	\$83,163	\$.47
(462) Direct Deep Black E. W.	91,269	42,259	.46
(700) Nigrosine W. S.	69,726	30,404	.43
(217) Agalma Black 10B	15,000	10,500	.70
BROWN	167,758	94,092	.56
(284) Bismark Brown	118,618	54,379	.45
(211) Resorcine Brown	49,140	39,713	.80
YELLOW	74,864	106,372	1.42
(606) Phosphine G, 2G, 3R	62,764	96,659	1.54
(134) Metanil Yellow	10,300	7,703	.75
(23) Tartrazine	1,800	2,010	1.11
ORANGE	30,840	8,872	.29
(145) Orange II	30,840	8,872	.29
RED	20,182	19,793	.97
(161) Fast Red A	9,685	6,655	.68
(679) Safranin	6,747	9,001	1.34
(227) Croceine Scarlet	3,750	4,127	1.10
BLUE	8,074	9,112	1.12
(659) Methylene Blue	8,074	9,112	1.12
VIOLET	3,655	5,135	1.40
(515) Methyl Violet	3,655	5,135	1.40
TOTAL	481,368	\$326,539	\$.67

The average price per pound of all dyes used by the calf tanners, irrespective of comparability of strength, quality or source, and based solely upon the total quantity consumed and the value, was 67 cents per pound. The purchases from manufacturing sources, however, were obtained at 65 cents per pound in comparison with 74 cents paid to the distributor sources.

The dyes used by the Belgian, Dutch, Czechoslovakian, and Austrian calf tanners are of German origin, and the eventual cost to the tanners in these countries is no doubt subject to a distributors profit in addition. Considering the absence of French data, we shall confine our comparison to English and German origin with that of the United States. With this object in view, all samples received were submitted for comparison of value to the Dye Laboratory of the Bureau of Standards.

In brief, the cost of the dye per square foot for each shade was approximately 1 tenth, 2 tenths and 4 tenths of a cent, respectively, assuming the maximum cost of 5 tenths of 1/2 cent per square foot, as rendered by the dye manufacturers, which is 100 per cent. greater than the cost claimed by the tanners.

If the cost of a raw hide averaged about 18 cents per square foot, and the finished hide sells for 38 cents per square foot, we have a processing cost inclusive of labor and material of 20 cents per square foot. Therefore, the dye cost would represent but 2 1/2 per cent. of the total processing cost.

The prices of the American suppliers are lower, and no doubt the concentration and qualities are proportional to the quotations. At the worst, however, any differential less than 100 per cent. in favor of a foreign source of supply, would not affect this deduction. Even any reasonable difference greater than 100 per cent. would not materially increase the total processing cost.

The report has been submitted to the U. S. Senate in reply to question No. 9 of Senate resolution 256, reading as follows:

"To what extent are the calf tanners of Europe able to buy their tanning materials cheaper than can the calf tanners in the United States?"

BRITISH CHEMICALS GAIN STRENGTH

(Special Correspondence to DRUG & CHEMICAL MARKETS)

London, Feb. 14.—A feature of the market for industrial chemicals is the confidence shown by buyers in placing forward contracts. Makers and dealers have no doubt gone out of their way to meet users and the tanks are not nearly so nervous in financing trade as was the case less than twelve months ago. While the market is steady there is a sharp contrast in various items.

Formaldehyde, acetic acid, acetone, oxalic acid and arsenic remain very flat and are offered cheaply. On the other hand all potash products, caustic, prussiate, permanganate, carbonate, and such items as sal ammoniac and all the soda salts hold steady at full rates with business being done over long periods. Cornish arsenic is offered at the low price of £30 per ton, f.o.r. mines, with the market flat.

Lead products, red and white lead, are firm and values move with the price of the metal. A syndicate of British makers was announced in January with a control of prices.

There is no official news, but it is strongly rumored

that the Government will include a large number of industrial chemicals in forthcoming "safeguarding legislation" and should this be so, prices of such articles will advance probably. Official announcement is expected when Parliament meets at the end of February.

Nothing further has been heard of the late agreement between the German I. G. and the British Dyestuffs Corp., but sooner or later the matter is certain to come forward.

Under the Peace Treaty the import of reparation dyes from Germany ended on Jan. 10, but negotiations are now going on in Paris and it is possible they may continue to be taken as reparations "in kind" up to August, 1928.

A law permitting the unrestricted manufacture and importation of matches into Portugal, thereby cancelling the government monopoly which has been in effect since 1895, has been approved by the Ministerial Council and will become effective April 26. The duty on matches imported from United States remains at 0.50 escudo per kilo, as under the monopoly.

Foreign Trade Opportunities

The Department of Commerce, Washington, D. C., has received the following inquiries for drugs, chemicals and accessories. Reserved addresses may be obtained from the Bureau and its district and cooperative offices. Request for each opportunity should be on a separate sheet and state opportunity number. The Bureau does not furnish credit ratings or assume responsibility as to the standing of foreign inquirers; the usual precautions should be taken in all cases.

Soda, caustic and bicarbonate, and sulfate of soda, copper, and iron	12311	Antwerp, Belgium ....Purchase
Turpentine	12389	Berlin, Germany .....Agency
Turpentine, Montan and Japanese wax	12312	Budapest, Hungary ...Purchase
Drugs and medicines	12348	Bangkok, Siam .....Purchase
Drugs and proprietary remedies	12307	Johannesburg, S. Africa.Agency
Proprietary preparations	12313	Johannesburg, S. Africa.Agency
Paints	12256	Bushire, Persia .....Purchase
Paints, dyes, heavy chemicals	12299	Bloemfontein, S. Africa.Agency
Paints, varnishes	12306	Asuncion, Paraguay ....Agency
Paints, varnishes for automobiles	12303	Sourabaya, Java .....Agency
Pharmaceutical products	12299	Bloemfontein, S. Africa.Agency
Rosin	12250	Danzig .....Purchase
Wax polishes	12305	Asuncion, Paraguay ....Agency
Toilet accessories	12306	Rio de Janeiro, Brazil..Agency

Acid phosphate, nitrate of soda	12855	Chatham, Canada ....Purchase
Alcohol, denatured & pure	12907	Alexandria, Egypt ....Purchase
Alum in lumps, and liquid chlorine	12911	Quebec, Canada .....Purchase
Ammonium sulfate	12918	Antwerp, Belgium ....Purchase
Bitumen for tar-free roofing	12921	Hamburg Germany .....Agency
Carbon black, wood chemicals	12023	Brussels, Belgium .....Agency
Chemical products	12899	Bordeaux, France .....Purchase
Chemicals and pharmaceuticals	12912	Warsaw, Poland .....Purchase
Chemicals and drugs	12915	Asuncion, Paraguay ....Purchase
Chemicals, fine, and pharmaceuticals	12919	Warsaw, Poland .....Purchase
Copper vitriol, pulverized sulfur	12020	Budapest, Hungary ...Purchase
Explosives	12915	Asuncion, Paraguay ....Purchase
Fertilizers	12937	Chatham, Canada .....Purchase
Lead, red and white	12914	London, England .....Agency
Linseed oil, good quality	12922	Stuttgart, Germany .....Agency
Matches	12887	Port au Prince, Haiti..Agency
Paints and varnishes	12887	Bahia, Brazil .....Purchase
Rosin and caustic soda	12917	Bombay, India .....Purchase
Soda ash	12913	Bombay, India .....Purchase
Soda ash	12916	Bombay, India .....Purchase
Soda, caustic, and caustic potash	12921	Hamburg, Germany ....Agency
Sulfate of ammonia	12855	Chatham, Canada .....Purchase
Toilet preparations	12886	Stuttgart Germany .....Agency
Varnishes	12922	Prague, Czechoslovakia.Agency

INDUSTRIAL CHEMICAL SECTION

Benzol, washed, 200 tons	13074	Strasbourg, France ....Purchase
Bluing, liquid	13072	Sydney, Australia .....Agency
Chemicals, fine	13080	Mexico City, Mexico...Agency
Chemicals for paper, tanning iron and steel, textiles	13074	Strasbourg, France ....Purchase
Copper sulfate	13068	Bordeaux, France .....Agency
Disinfectants, liquid	13081	Johannesb'g, S. Africa.Purchase
Dyes, aniline	13070	Bahia, Brazil .....Agency
Lampblack, 30 to 50 tons monthly	13075	Nuremberg, Germany..Purchase
Methanol, large quantities	13077	Hull, England .....Purchase
Rosin	13070	Bahia, Brazil .....Agency
Rosin	13076	Durban, S. Africa.....Purchase
Rosin, caustic soda	13061	Johannesburg, S. Africa.Agency
Rosin, turpentine	13079	Mannheim, Germany ...Agency
Soda, caustic	13070	Bahia, Brazil .....Agency
Soda, caustic	13076	Durban, S. Africa.....Purchase
Soda, caustic, soda bicarbonate, ash soda	13069	Bombay, India .....Purchase
Turpentine	13061	Johannesburg, S. Africa.Agency
Waxes	13062	Warsaw, Poland .....Agency
Zinc oxide	13073	Goteborg, Sweden .....Agency
Drugs	13070	Bahia, Brazil .....Agency
Drugs, pharmaceuticals	13098	Alexandria, Egypt .....Agency
Drugs, pharmaceuticals	13080	Mexico City, Mexico...Agency
Perfumery	13071	Bahia, Brazil .....Agency
Pharmaceuticals	13053	Amsterdam, Netherl'ds..Agency
Pharmaceuticals	13056	Vancouver, Canada .....Agency
Toilet articles, pharmaceuticals	13078	Alexandria, Egypt .....Agency
Acid, lactic, sulfate of	13218	Concepcion, Chile ....Purchase
Caustic soda and drugs	13185	Mexico City, Mexico...Agency
Chemicals	13223	Vienna, Austria .....Agency
Chemicals, tanning	13240	Gabrovo, Bulgaria .....Agency
Coal tar products	13186	Vienna, Austria .....Purchase
Dyes for yarns & leather	13240	Gabrovo, Bulgaria .....Agency
Dyes and allied products	13222	Bucharest, Rumania ...Agency
Dyes and products	13221	Bucharest, Rumania ...Agency
Rosin and stearin	13231	Riga, Latvia .....Agency
Rosin and turpentine	13229	Amsterdam, Netherl'ds..Purchase
Drugs	13223	Vienna, Austria .....Agency
Medicinal preparations	13221	Bucharest, Rumania ...Agency
Perfumes	13209	Bombay, India .....Purchase
Pharmaceutical products	13219	Athens, Greece .....Purchase
Chemicals, industrial	13358	Bordeaux, France .....Purchase
Chemicals and drugs	13278	Lima, Peru .....Agency
Colors, food	13373	Budapest, Hungary ....Purchase
Fertilizers	13356	Leamington, Canada...Purchase
Oil, wood	13275	Hamburg, Germany ....Agency
Oils, essential	13373	Budapest, Hungary ....Purchase
Paints	13358	Bordeaux, France .....Purchase
Paints and varnishes	13256	Concepcion, Chile ....Purchase
Pharmaceuticals	13353	Alexandria, Egypt .....Agency
Phosphate rock	13367	Libau, Latvia .....Purchase
Salts, smelling	13373	Budapest, Hungary ....Purchase
Sizing materials	13308	Ahmedabad, India .....Agency
Soda, caustic	13315	Bahia, Brazil .....Agency
Soda, caustic	13315	Amritsar, India .....Purchase
Superphosphates	13354	Teneriffe, Canary Is's..Purchase
Toilet powder, perfumery	13302	Colombo, Ceylon .....Agency
Turpentine	13275	Hamburg, Germany ....Agency
Turpentine	13355	Sydney, Australia ....Purchase

MATHIESON ALKALI EARNS \$5.76 A SHARE

The report of Mathieson Alkali Works, Inc., for the year ended Dec. 31, 1924, shows net income of \$873,064 after charges, equivalent after the regular 7% on the preferred stock to \$5.76 a share on the 117,714 shares of common stock outstanding, compared with \$1,096,943, or \$7.63 a share on the common stock outstanding in the preceding year. As of Dec. 31, 1924, current assets amounted to \$2,395,356 and current liabilities to \$561,906, leaving net working capital of \$1,833,450 compared with \$1,694,641 as of Dec. 31, 1923.

In remarks to stockholders, E. M. Allen, president, said in part: "The current assets of the company on Dec. 31 last were \$2,395,356 while the current liabilities were \$561,906, showing a ratio of 4.26 to 1, indicating the continued improvement in the current position of the company. The company has no obligations to banks, \$100,000 of the indebtedness of that character existing at the end of the year having since been paid. Inventories were normal for a business of the character and size of present operations."

"The synthetic ammonia plant at the Niagara Falls Works has the initial units in successful operation, and by the end of this year, we expect the capacity of this plant will have increased sufficiently to consume all the hydrogen, produced at these works, which until so utilized, had been going to waste."

PUBLICATIONS MAKE CHANGES

"Chemical & Metallurgical Engineering" discontinues as a weekly with the current issue, and March 15th becomes again a monthly magazine.

"Weekly publication," says the announcement of the publishers, McGraw-Hill Company, "was inaugurated in 1919 at the height of post-war activity in the chemical and chemical engineering industries. Events were then moving in swift succession and new developments pressed for publication. Progress was rapid and could not be satisfactorily recorded in a monthly magazine. But for the present, . . . so frequent a service is neither necessary nor demanded." The policies, under which "Chem. & Met." has grown to be the largest and most important independent technical chemical paper will remain unchanged under the editorial direction of H. C. Parmelee.

Although no official announcement has been made, the amalgamation of "The Chemical Age" and "The Chemical, Color and Oil Record" has been heralded in circular letters by the publishers. "The Chemical Age," always a vigorous protagonist among the technical publications, has been edited by Lloyd Lamborn. "The Chemical, Color, & Oil Record," established during the War was a daily market report when it served brokers and dealers in the feverish markets of those days with prompt reports, later became a tri-weekly, a bi-weekly, and more recently a weekly publication. It is published by the Trades Reporting Bureau, Inc., William E. Tufts, president and editor.

Peter Dirr, Vice-president of Charles L. Huisking, Inc., New York, returned from a two weeks honeymoon trip to Montreal, Niagara Falls, and several Western cities, early this week.

C. C. Concannon, Chief of the Chemical Division, Department of Commerce, is taking a two weeks' trip through the south, studying the naval stores and fertilizer conditions.

CHIPMAN BEATS METEOR IN ARSENIC SUIT

Meteor Products Co. Sued for \$1,186 on Sale Claim at 15c—Chipman Denies Purchase.

A verdict in favor of Chipman Chemical Engineering Corp., New York, was returned by the jury, last Thursday, in a suit brought by Meteor Products Co., New York, for \$1,186, and tried before Justice Alexander Finelite in trial term, part 6, of the City Court. The complaint as filed alleged that the Chipman Company had agreed on May 4, 1923, through H. H. Rosenthal Co., brokers, to purchase 30 long tons of arsenic from the complainant at 15 $\frac{1}{4}$ c lb. F.O.B. Hoboken, and that the defendant refused to accept delivery and cancelled the order immediately after. The material in question is said to have been sold on Sept. 6, 1923 at 10c lb., the difference being the amount sued for.

R. N. Chipman testified that he had not agreed to purchase the material but had said that he would refer it to James G. Morrison, purchasing agent of the company, and that Morrison had later called Rosenthal and said that he did not want the goods. Carl E. Kayser, of Meteor Products testified that the purchase had been agreed upon by the defendant, and that they refused to accept the material when offered for delivery, a loss being sustained by the market declining in the meanwhile. H. H. Rosenthal testified that he had offered the complainant 13c lb. for the material later in May and that defendant refused to accept the offer. As a consequence of this the goods were not sold until September and then at 10c lb. This was later denied by Kayser, who claimed that no such offer had been made. O. W. Culman, broker, and R. H. Farleigh, both of New York, testified as to market quotations on arsenic at the time.

The fact that the goods were not sold within a reasonable time after the refusal of the defendant to accept them, was stressed by the judge in his charge. The goods were held from May to September and the market declined over that period while if the goods had been sold immediately after the refusal of the defendant to accept them it is not thought that any loss would have been sustained. Wing & Russell, New York, were attorneys for the defendant, and David R. Bernstein, New York, represented the complainant. The jury was out about 15 minutes.

Members of the Salesmen's Association who are attending a series of lectures being given by Dr. Frederick Breithut at the College of the City of New York each Friday evening, have made arrangements to have dinner in a body at the Castle Inn, 135th st. and Broadway, prior to each meeting at 6:00 sharp. About fifteen members met at the inn last week and all other members of the course have been invited to join the group this week.

Mutual Chemical Co., manufacturers of mutual bichromates, has moved to 270 Madison ave., New York, growth of the company necessitating larger offices. The trade has been invited to inspect the new offices, and to make them headquarters when in the city.

The bill providing for the promotion of the Chief of the Chemical Warfare Service to the rank of Major General, has been passed by both houses of Congress and is now waiting the signature of President Coolidge.

Joseph Turner, of Joseph Turner & Co., New York, has returned from week's fishing trip at Long Key Fishing Camp, Long Key, Fla.

Philip S. Tilden, New York manager of Ellis Jackson Co., sailed for Porto Rico on Feb. 19 where he will remain until about March 3.

The Heavy Chemical Market

Current Spot Quotations for Heavy Chemicals, pages 590-615

BARIUM SALTS CONTINUE TO WEAKEN

Chloride Lower for Shipment—Carbonate Down on Spot—Market Quite Steady on Other Products—Potassium Chlorate Higher for Spot And Shipment—Carbon Bisulfide Easy—Carbon Tetrachloride Firm—Arsenic Very Weak—Prussiates Unchanged.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced
Potassium Chlorate, 3/4 c lb
Declined
Barium Carbonate \$1.00 ton

	Trend of the Market			Last Year	War Peak	Pre-War
	Today	Last Week	Last Month			
Acetic Acid, Glacial...lb.	\$1.11	\$1.11	\$1.11	\$1.12 3/4	\$1.19 3/4	\$1.07
Sulfuric Acid, 66 deg., ton	14.00	14.00	14.00	15.00	\$5.00	20.00
Ammonium Sulfate, 100lbs.	2.75	2.75	2.75	3.00	7.50	2.65
Bleaching Powder, 100lbs.	1.90	1.90	1.90	1.75	9.50	1.50
Copper Sulfate, c/l 100lbs.	4.65	4.65	4.65	4.75	20.00	4.50
Potash, Caustic, Imp....lb.	.07 3/4	.07 3/4	.07 3/4	.06 3/4	.87	.03
Soda Ash, 58 p.c....100lbs.	1.94	1.94	1.94	1.94	3.50	.60
Caustic Soda, 76 p.c.100lbs.	3.66	3.66	3.66	3.66	9.50	1.42
Potassium Bichromate..lb.	.08 3/4	.08 3/4	.08 3/4	.09 3/4	.65	.06 3/4
Sodium Prussiate, Imp..lb.	.10 3/4	.10 3/4	.10 3/4	.11 3/4	1.25	.18
Average	2.927	2.927	2.928	3.050	10.75	2.99

A fair amount of activity was apparent in the market for industrial chemicals during the week, and prices generally were quite firm. Several imported items continued scarce on spot with all arrivals being immediately sold ex-dock. This was true of potash alum, carbonate of potash, and potassium chlorate. Solvents continued in easy supply and although shipments were increasing in quantity and prices showed a firmer tendency, makers were quite anxious for orders. Bookings on mineral acids were reported by manufacturers to be quite heavy with the total for February above January. The same condition is also reported for caustic soda and bleach. Barium salts continue to ease off as consumers become supplied ahead. Arsenic is weak with material changing hands at new low levels, and sales of calcium arsenate reported as low as 6c lb. Copper sulfate registered no improvement and an easy condition continued.

Acid Acetic—Continues to move in increasing quantities at unchanged levels of \$3.12@3.37 for 28%; \$5.85@6.10 for 56%; and \$11.01@11.76 for the glacial material.

Acid Lactic—Steady request reported at firm quotations of 5 1/2c@6clb., for 22% dark; 6 1/2c@7clb., for 22% light; 11c@12clb., for 44% dark; and 13c@13 1/2clb., for 44% light.

Acid Oxalic—Quiet situation continues with imported material available at 10 1/4c@10 1/2clb.; and domestic manufacturers firm at 11clb.

Alum Ammonia—Moving in satisfactory volume at unchanged levels of \$3.15@3.50 for lump; \$3.30@3.75 for ground; and \$3.55@3.90 for powdered.; prices are in barrels at works, as to seller.

Alum Potash—Imported material continues to be absorbed as soon as it arrives and only limited supplies are available on spot from firm holders. Material for shipment continues at \$2.70@2.75; and spot goods hold at \$2.75 ex-dock, and \$3.00 in a smaller way ex-store.

INDUSTRIAL CHEMICAL SECTION

Arsenic—Very weak with sales during the week at 5clb. Market continues nominally at 5 1/4c@5 3/4clb., as to seller and quantity. Sales of considerable quantities of calcium arsenate were reported at 6clb.

Barium Products—Chloride continues easy on spot with holders of imported material naming \$66.00@68.00; shipment is quoted lower at \$64.00 ton. Domestic makers continue to name \$70.00@75.00 ton. Carbonate eased off further during the week and material was offered at \$52.00@54.00 with evidence of shading these low quotations.

Bleaches—Steady movement of supplies reported against contracts at firm levels for bleaching powder of \$1.90 for carlots of large drums at works, and \$2.05 for less than carlots; spot works prices are 10c per 100 lb. above contract levels. Chlorine quotations for contract are 4clb., in tanks; 5 1/4c@5 3/4clb., in carlots of cylinders; and 7c@8clb., in less than carlots at works.

Carbon Bisulfide—Easy condition reported with prices fairly steady at quotations of 5 1/2c@6 1/2clb. as to quantity.

Copper Sulfate—Situation unchanged with manufacturers still quoting \$4.65@4.85, and carlots still available at \$4.50 per 100 lb.

Copperas—Leading manufacturers continue to name firm quotations of \$13.00 in bulk; \$16.00 in bags; and \$17.00 in barrels. In certain localities material remains available at \$10.00@15.25 as to packing.

Potassium Chlorate—Higher on spot and for shipment. Sales of spot material last week were made on a basis of 7 1/2clb., for powdered material, and 7 3/4clb., for crystals. Shipment is quite firm at 7clb., all cheaper offerings being sold-up. Domestic material remains at 8 1/2c@9clb., at works for both powdered and crystal.

Potassium Prussiate—Yellow material continues easy on spot at unchanged levels of 18 1/2c@19clb., spot; and the red product holds at 36 1/2c@37clb.

Soda Ash—Makers continue to report heavy contract withdrawals at current contract levels of \$1.38 per 100 lb. in carlots of bags for 58% light ash; and \$2.04@2.29 for deliveries of less than carlots in the metropolitan district. Spot works prices are 5c 100 lb., above contract levels.

Soda Caustic—Heavy shipments reported by manufacturers at contract levels of \$3.10 per 100 lb., for carlots of 76% solid material; ground and flake \$3.50; spot works quotations are 10c per 100 lb., higher than contract levels.

Sodium Bichromate—Manufacturers continue to report a steady movement of material at unchanged firm quotations of 6 3/4c@7clb., as to quantity.

Sodium Chlorate—Imported and domestic material holding steady at unchanged levels of 6 1/4@6 1/2rlb.

Sodium Fluoride—Holders of imported material continue to name 9c@9 1/4clb.

Sodium Hyposulfite—Firm condition continues with regular crystals quoted at \$2.40@2.65 in barrels, and \$3.00 in kegs for domestic; and \$2.35 for imported

material. Pea crystals firm at \$2.50@\$3.05 in barrels, and \$2.75@\$3.30 in kegs for domestic goods; and \$2.90 @\$3.00 for imported.

Sodium Phosphate—Firm situation with manufacturers not inclined to shade recent higher levels of $3\frac{1}{2}c@3\frac{3}{4}c$ -lb., for the di-salt; and $4c@4\frac{1}{4}c$ -lb., for the tri-salt.

Sodium Prussiate—Quite an easy condition with goods still offered at $10\frac{1}{4}c@10\frac{1}{2}c$ -lb. spot. Domestic manufacturers continue to quote $10\frac{1}{2}c$ -lb.

Sodium Silicofluoride—Importers continue to name recent levels of $4\frac{1}{2}c@4\frac{3}{4}c$ -lb. Supplies are not overplentiful on spot.

Tin Oxide—Makers continue to name recent levels of $61c@63c$ -lb. as to quantity.

Zinc Chloride—Domestic manufacturers continue to name firm quotations of $6c@7c$ -lb. as to quantity for fused material in drums; and $7c@7\frac{1}{2}c$ -lb. for granulated material in barrels. Importers name $7\frac{1}{4}c@7\frac{1}{2}c$ lb., for imported material.

KEEP UP POTASH PRICES ARTIFICIALLY

"The German Potash Syndicate, of which all potash producers are compulsory members, is mulcting the American farmer of many millions of dollars annually by keeping up prices artificially," says a cablegram to the "New York Herald-Tribune."

"To facilitate maintenance of high prices the syndicate is trying to eliminate all foreign elements from any portion of Germany's potash deposits. A step in this direction has just been accomplished, as the extreme Nationalist elements in the syndicate purchased in New York the interests of the Einigkeit Potash Co., which was controlled by Virginia-Carolina Chemical Co."

Potassium chlorate is in strong demand in Hamburg, and prompt shipment is difficult to obtain at \$9.60, says Nicolaus Olah under date of Feb. 13. Sodium sulfide is firm with a cessation of large offerings, and quotations at £10 5s, for 60-62%; and £6 15s for 30% material. Potassium carbonate continues firm at \$10.50 for large quantities. Other quotations are: Epsom salt tech., £3; Sodium sulfate, calc £3 17s 6d; oxalic acid £22 12s 6d; hyposulfite of soda, regular £7 7s 6d; pearl crystals £9 2s 6d.

The new treaty between Germany and Austria has resulted in the following duties on imports into Austria: Refined boric acid, 7 gold kronen per 100 kilos; nitric acid, 2; Leunasalt peter for fertilizing purposes, 1; permanganate of potash, 16; chlorate of potash, 10; chrome alum, 6; sulfate of alumina, 4.50; zinc sulfate, 3.50; liquid chlorine free; formaldehyde and paraformaldehyde, 24 gold kronen; aniline oil, aniline salt, 3.60; colors and paints prepared for retail sale, 70 kronen.

Conradi Chemical Co., is manufacturing insecticides and fungicides at Columbia, S. C. Among the products of the company are lime dusts, lime sulfur sprays, oil sprays and emulsions, calcium arsenate and magnesium arsenate, and dusting and spraying machines. The officers are: H. G. Kaminer, pres.; A. F. Conradi, vice-pres. and manufacturing director; H. Volrath, sec.-treas.

Northwest Chemical Co., Seattle, Wash., has been organized to manufacture chemicals and fertilizers, by Maurice D. Leehy and L. I. Lloyd, 1015 Rust building, Tacoma, Wash.

California Salt Co., San Francisco, has increased its capital from \$935,000 to \$1,600,000.

OUTPUT OF SULFUR 40 PER CENT LESS

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Feb. 25.—The production of sulfur in the United States in 1924 dropped to 1,220,600 long tons from 2,036,097 long tons in 1923, a decrease of 40 per cent, according to the Department of the Interior, as shown by figures compiled by the Geological Survey. The shipments in 1924 were the second largest on record and for the first time since 1920 were greater than the production. The estimated value of the shipments in 1924 was \$25,000,000, compared with \$26,000,000 in 1923, at approximately the same rate per ton.

The producers stocks in hand at the end of 1923 were approximately 3,000,000 tons. The exports of sulfur, from the United States in 1924, according to the Bureau of Foreign and Domestic Commerce, were 481,814 long tons, valued at \$7,786,254. The exports of refined and sublimed sulfur and of flowers of sulfur in 1924 were 2,329 long tons, valued at \$107,947, making the total exports of crude and refined sulfur during the year 484,143 tons, valued at \$7,894,201, compared with 474,475 tons, valued at \$7,216,107 in 1923.

The production of sulfur in Sicily, which averaged about 350,000 metric tons before the World War, dropped considerably during and after the War. The agreement between the American producers and the Sicilian Sulphur Consortium in 1923, proportioning sulfur among the markets of the world, has probably benefited the Sicilian producers, as the production in Sicily increased from 137,648 metric tons in 1922 to 206,238 metric tons in 1923, and amounted to 115,045 metric tons during the first six months of 1924, a rate of about 230,000 metric tons for the year.

FERTILIZERS IN DEMAND IN FRANCE

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Paris, France, Feb. 14.—Sales of superphosphates tend to show that the tonnage used by French agriculture during 1925 will far exceed the 1924 figures. Business is particularly active in the North and East of France where prices have been very stable. The difficulty in obtaining scoria has still further increased the demand for superphosphates. In the South of France, the cut-throat competition now going on between producers is inciting consumers to delay their orders in the hope of obtaining lower quotations.

Sulfate of ammonia, after a period of great activity, has once again become calm, the question in everyone's mind being the quantities that may be expected from Germany from February to April. The total output of the cyanamide factories is now booked for the season, and buyers are obliged to approach the resellers to secure supplies, instead of purchasing direct from the manufacturers.

Business in potash fertilizers is very active, the Societe Commerciale des Potasses d'Alsace being unable to effect deliveries except after considerable delay. Quotations are very firm for the majority of chemical products employed in agriculture, sulfate of copper being in particular demand. The Marseilles factories are quoting francs 208. per 100 kilograms (220.46 pounds) for January and February delivery.

The February meeting of the Chemical Club of Philadelphia, held last week at the Benjamin Franklin Hotel, Philadelphia, was addressed by C. Burgess Taylor, the Philadelphia general agent of Northwestern Mutual Life Insurance Co., on the subject of salesmanship.

The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals, pages 590-615

ORTHO-TOLUIDINE ADVANCED TO 20c LB.

Ortho-Nitrotoluene Also Higher Owing to Sold-Up Condition—Para-Toluidine Continues Easy—Para-Nitroaniline Unsettled—Other Intermediates Quiet But Firm—Light Oil Distillates Unchanged—Benzene Steady—Toluene Strong—Solvent Naphtha Firm—Pyridine Dull—Naphthalene Shows No Improvement.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Ortho-Nitrotoluene, 2c lb.	Ortho-Toluidine, 2c lb.
Declined	
No Declines	

		Trend of the Market		Last Year	War Peak	Pre-War
		Today	Last Week			
Benzene, pure	gal.	\$.23	\$.23	\$.23	\$.24	\$ 1.10
Naphthalene, flake	lb.	.05	.05	.05	.06 1/2	.16
Phenol, Spot	gal	.24	.24	.24	.37	1.50
Toluene	gal.	.26	.26	.26	.26	..
Aniline Oil	lb.	.16	.16	.16	.16	1.40
Alpha-naphthylamine	lb.	.35	.35	.35	.35	1.28
Benzaldehyde	lb.	.70	.70	.70	.75	..
Betanaphthol	lb.	.24	.24	.24	.26	1.50
Dimethylaniline	lb.	.33	.33	.33	.37	1.30
Paranitroaniline	lb.	.60	.60	.62	.70	1.58
Average		0.316	0.316	0.318	0.344	..

Intermediates continued dull over the week and manufacturers are not anticipating any improvement until next month. Both cotton and wool quarters are reported quiet and shipments of dyes are said to be light with competition sharp. This has been reflected in intermediates to the extent that where dye manufacturers have lowered quotations on their products in an effort to obtain business, they are trying to buy intermediates at lower levels in order to offset the reductions in dye-stuffs. Makers of intermediates continue to maintain their schedules fairly well and although supplies are plentiful on most products, quotations on only a few items are unsettled. Light oil distillates generally maintained unchanged positions with benzene quite steady, and other products strong. No improvement was reported in naphthalene, phenol and cresylic acid.

Cresylics.

Benzene—Situation unchanged since last week and still rather confused. With the production remaining at the present volume and the industrial demand showing no change, the quotations will doubtless advance if gasoline prices move up any further, while a lowering in gasoline levels probably would not lower benzene immediately but would weaken it to the extent that any appreciable increase in production would bring about a reduction in quotations. Quotations from leading distributors remain at 23c gal. for pure in tanks at mills; and 28c in drums; and 90° material continues at 21c in gal. in tanks, and 26c in drums.

Cresylic Acid—Quietness continues in this product with supplies freely offered at unchanged quotations of 60c@65c gal. for pale 97-99%; both imported and domestic; and 55c@60c gal. for dark 55-60% material.

Naphthalene—No improvement reported with business dull and manufacturers still holding quotations fairly firm, in anticipation of the opening of the season. Demand for intermediate use described as spotty. Holders

continue to name 5c@6c lb. for flake material; and 6c@7c lb. for balls as to quantity.

Pyridine—Market holding steady with inquiry small. Factors continue to name \$4.20@\$4.25 for spot goods, but indications at present point to an easier situation if the dullness continues.

Solvent Naphtha—While limited supplies are available from time to time, the market continues quite strong and no excess offerings are to be found. Distributors continue to name firm prices of 25c gal. in tanks at mills; and 30c gal. in drums.

Toluene—Strong situation continues to be reported by distributors, who report no accumulation of supplies, and an inability in some quarters to fill all orders. Firm quotations are given at 26c gal. in tanks, and 31c gal. in drums.

Xylene—Easier condition continues in this product, with the commercial grade in better supply and the the request for the 10° and 5° material considerably lessened. Quotations continue unchanged, and factors name 26c gal. in tanks, and 31c in drums for commercial material; 30c gal. in tanks, and 35c in drums for 10°; 35c gal. in drums, and 40c in drums for 5°; and 50c gal. in drums for 3°.

Intermediates

Acid Cleve's—Quiet condition reported with prices quoted at unchanged levels of 95c@97c lb. as to quantity.

Acid H—Continues in easy condition at unchanged quotations of 68c@72c lb. in barrels.

Acid Laurent's—Holding steady at manufacturers' levels of 90c lb. in 250 lb. barrels.

Acid Monosulfonic—Moving in fair volume at recently lower levels of \$1.80@\$1.90 lb.

Acid N & W—Makers report steady market at unchanged levels of \$1.00@\$1.05 lb. as to quantity.

Acid Picric—Firm at recent advance to 25c@27c lb. as to quantity.

Aniline Oil—Moving in satisfactory volume in most quarters with price rigidly adhered to at unchanged levels. All indications of any movement in quotations seem quite remote. Makers continue to name 16c@17c lb.

Beta-Naphthol—Fair request reported by makers at firm levels of 22c lb. in carlots, and 24c@25c lb. in less than carlots.

Diethylaniline—Holding at recent advance from manufacturer who quotes 62c@64c lb. as to quantity.

Dimethylaniline—Manufacturers report a continuance of sharp competition on small spot business and a steady movement of supplies against contracts. Quotations continue at 33c@35c lb. as to quantity.

Dinitrobenzene—Moving in a routine way at unchanged levels of 15c@16c lb. in 400 lb. barrels.

Meta-Toluylenediamine—Rather quiet condition reported with prices fairly well maintained at unchanged levels of 80c@84c lb. as to quantity.

Ortho-Anisidine—Routine demand reported at unchanged quotations of \$3.00 lb.

Ortho-Nitrotoluene—Practically all manufacturers continue to have nothing to offer, but supplies are available from first hands at higher levels of 14c@16c lb.

Ortho-Toluidine—Supplies continue scarce with most makers reporting a sold-up condition owing to active demand as a flotation agent and for use as a rubber accelerator. Makers with available supplies now name higher levels of 20c@22c lb.

Para-Nitroaniline—Market continues easy with quotations still given over a wide range of 60c@65c lb.

Para Toluidine—A rather unsettled market continues to be reported for this material. Manufacturers generally quote the market at 70c@74c lb. with shading indicated in some quarters in effort to move stocks accumulating as a result of the strong demand for the ortho product.

R Salt—Fair request reported from color makers at recently lower levels of 47c@49c lb. as to quantity.

Toluidine—Continues to be quoted by manufacturers at 90c@94c lb. as to quantity.

THE DYE CARTEL REORGANIZED

The I.G. is reorganizing and negotiations are in progress to effect further fusions, says "The Dyer," of London. It is stated that the amalgamation of the Griehm Elektron with the B.A.S.F. is already effected. The German press says that this continued effort of fusion is no new decision. Even before the war it had been arranged to organize production and sale. In 1905, the Hoechst Farbwerke had come to an arrangement with Cassella; the two firms agreed not to compete in products which one or the other was in better position to manufacture. It is now stated that in order to use the technical staff to the best advantage, each member of the cartel will no longer have its own representatives. All the agents will receive simultaneously instructions and samples from every member of the cartel.

Imports of aniline and coal tar dyes into Canada during December were as follows. For Britain 23,703 lbs., value \$11,023; United States 119,172 lbs., value 71,831; Germany 23,806 lbs., value \$22,993, Sweden 4,700 lbs., value \$2,633; Switzerland 6,563 lbs., value \$4,528. Other countries, 8420 lbs., value \$2,165; total 186,364 lbs., value \$115,173; compared with imports in December, 1935; Britain 31,904 lbs., value \$15,247; United States 111,255 lbs., value \$71,390; Germany 109,237 lbs., value \$58,024; Netherlands 22,097 lbs., value \$14,204; Sweden 500 lbs., value \$420; Switzerland 9,189 lbs., value \$6,500; Total 284,182 lbs., value \$165,785.

Exports of colors from Switzerland during nine months ended Sept. 30, 1924, were 6,320 tons, valued at 47.8 million francs, compared with 5,990 tons, valued at 47.8 million francs, for a like period in 1923, according to reports from Berne, which say: "Both United States and Great Britain showed a falling off in imports of Swiss dyes, and considerable anxiety is felt in Swiss color circles, concerning the future attitude of the British Government in regard to its fiscal policy."

American dyes and textile machinery have been purchased by Soviet Russia for the first time according to an announcement by All-Russia Textile Syndicate. The order for dyes was placed with E. I. du Pont de Nemours & Co. whose products were found to be superior to the German and British products long used by Russia.

Quebracho exports from Argentina during 1922 and 1923 were: Extract, 124,223 metric tons in 1922; 166,460 tons in 1923; 140,550 tons of logs in 1922; and 119,077 tons in 1923.

Applications for licenses under the Dyestuffs Act of Great Britain numbered 369, during December, of which 329 were from merchants and importers.

WILL THE DYE CARTEL GET \$30,000,000?

The \$30,000,000 loan scheduled to be made by American bankers to the German Dye Cartel has for the present been called off, says the "Daily News Record." The big loan may never be negotiated. It is fairly certain nothing will be done on it for several months. This loan has been a source of excitement among dye producers here and in France and England ever since a loan of \$2,500,000 was extended in Wall Street to the smaller members of the Cartel about six months ago with a tentative understanding that later a big loan would be advanced, based possibly on a popular bond issue.

Objection to the loan has been raised here on patriotic grounds. It was protested by American dye makers on the ground that it would tend to undo all that has been accomplished since the war toward the establishment of a national industry here, free commercially and adequate for the national defense.

Specifically, it has been maintained, the loan would enable the German Dye Cartel to recapture the markets in China and India by putting it in a position to extend attractive long-term credits, as it did before the war.

FRENCH AMAZED AT DYE LOAN TALK

"According to recent advices, a group of American bankers contemplate the extension of large credits to German industries—credits which would mean the restoration and further development of dye manufacturing in that country," says "The Figaro" of Paris, France.

"This news seems to us incredible. It has been only at the cost of a superhuman effort that the United States has succeeded during the last few years in developing their chemical industry to the point where it is free from German domination. At present more than 90 per cent of the colors needed in America are produced at home, and the exports of the new industry grow year by year. It is difficult to understand why anyone should seek to restore German domination."

At the annual meeting of the Textile Color Card Association, at the Hotel Astor, New York, Feb. 18, J. N. McCullough, secretary of the National Association of Hosiery and Underwear Manufacturers, stated that great co-operation has been attained among manufacturers of hosiery in the movement to standardize hosiery colors. Mrs. M. H. Rorke, managing director, stated that progress during the past year has been notable considering conditions prevailing in other industries. Stewart Culin of the Brooklyn Museum gave a historical talk on "The Magic of Color" at the luncheon. E. S. Johnson of James G. Johnson & Co. was elected president.

Synthetic Chemical Manufacturers' Association, dyestuffs section, held its regular luncheon meeting at Hotel Commodore, New York, Feb. 19. Dr. Chas. H. Herty, president of the association, exhibited a series of charts showing the trend of the dyestuff trade since the war, and an informal discussion of the effect of the tariff reduction of last September was held. A joint meeting of the special chemicals section and fine organic and medicinal chemicals section will be held at Shanley's, New York, on March 3.

E. C. Klipstein Sons Co., are planning the removal of their dye plants at Carteret and Chrome, N. J., to the main plant at Charleston, W. Va. The move will take place about May 1.

Aniline dyes imported into China during the third quarter of 1924 totaled 120,033 Haikwan taels, against 67,273 H. taels for the corresponding period of 1923.

Summit Dye Works, Summit, N. J., will make alterations and improvements in its plant, a one-story building, 60x300 feet.

The Oil Market

Current Spot Quotation of Oils, Tallow, Greases, pages 615-616

ANIMAL OILS AND FATS TURN FIRMER

Steadier After Weakness—Small Declines in Red Oil and Tallow—Stearic Up—Corn Oil Off Another Cent—Chinawood and Linseed Down Again—Coconut, Cottonseed, and Olive Foots Easier—Fish Oils Quiet

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Sesame Oil 1c lb.	Advanced	Stearic Acid, ½c lb.
		Stearine ½c lb.
Chinawood Oil, ½c lb. Coconut Oil, ½c to ¾c lb. Corn Oil, 1c lb. Cottonseed Oil, ½c to ¾c lb. Grease, yellow, ¾c lb.	Declined	Linseed Oil, 1c lb.
		Olive Oil Foots, ½c lb.
		Peanut Oil, 2c lb.
		Red Oil, saponified, ¾c lb.
		Tallow, ¾c to 1c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Cod Oil, N. F.....gal.	\$62	\$62	\$58	\$68	\$1.26	\$2.65
Degras, American, bbl..lb.	.045	.045	.045	.045	.23	.085
Lard No. 1.....gal.	.91	.91	.96	.87	2.90	.92
Menhaden, crd. tks....gal.	.55	.55	.60	.50	1.20	.33
Neatsfoot, 20 deg. ct..gal.	1.29½	1.29½	1.20	1.27	3.45	.95
Red Oil, distilled.....lb.	.1134	.1134	.1134	.09½	.17	.07
Stearic Acid, T. P.....lb.	.164	.164	.164	.134	.33	.12
Coconut, Ceylon, bbls...lb.	.10	.1034	.1134	.10	.90	.14
Cottonseed, crude, tks...lb.	.084	.084	.094	.084	.25	.08
Linseed, crude.....gal.	1.12	1.13	1.17	.94	1.85	.57
Olive, denatured.....gal.	1.30	1.30	1.30	1.25	4.50	1.05
Peanut, refined.....lb.	.14	.16	.16	.16	.30	.08
Soya Bean, bbls.....lb.	.134	.134	.134	.12	.19½	.07

Average 0.506 0.508 0.526 0.480 1.20 0.362

Although vegetable oils have shown a pronounced weakness during the week, animal oils and fats have shown a tendency to become stronger. Sellers freely predict higher prices from current levels which they state represent bottom in the present swing. The rally in animal products, following a period of weakness, was led by stearic acid and stearine which moved up an eighth to a half cent. Tallow and red oil, however, are slightly lower. Curtailment of lard and fat production is looked for, due to the market value of grains exceeding the feed value to the farmers and consequent lessening of hog stock. Poor buying interest continues to characterize the vegetable oil market with further shading shown in many items during the week. If the expected curtailment in animal oil production materializes, a larger demand for vegetable oils may be looked for in a few months with rising prices. Fish oils continue quiet with many prices purely nominal and little business being done.

Vegetable Oils

Castor Oil—This situation remains the same with No. 1 still quoted at 17½c and No. 3, 17c lb. in barrels.

Chinawood Oil—Breaking of weak holders with poor demand forced the price down another ½c last week. Material in New York named at 13½c@14c in barrels and 13c lb. in tanks. Material at the Pacific Coast remains at 12c in tanks.

Coconut Oil—This material has weakened and now quotes at 10c@10½c lb. in barrels and 9½c in tanks in New York for the Ceylon. Cochin down to 11c@11½c in barrels, New York and Manila down to 8¾c@9c in

tanks at Pacific Coast. Imports for last week, 4704 tons.

Corn Oil—Refined material is down to 12½c, crude down to 9c@9½c in tanks at mills and 11c@12c in barrels, New York.

Cottonseed Oil—Falling off in prices for refined shown in this material also last week, prices at end of week being 10½c@10¾c lb. for prime summer yellow and 13c@13½c for winter yellow. Crude remained unchanged at 8½c@9c lb.

Linseed Oil—Crushers are down another cent along the whole schedule for this material. February delivery now quoted at \$1.12, March-April delivery \$1.13, and May-August delivery \$1.15; five barrel lots named at \$1.15. Contract prices were extended last week to include August delivery. The seed market closed last week at Winnipeg at a more even level with prices for May down to \$2.63, July up to \$2.62 and Oct. \$2.42; the Duluth market was lower with Feb. prices \$2.97, March \$2.98, April \$3.00, May \$3.00 and July \$2.99; Minneapolis was down to \$3.00 for Feb., \$3.01 for May and \$3.00 for March, and Buenos Aires was down to \$2.39½. Linseed oil at London closed the week at 50s @51s and in Antwerp it was down to 435f@445f per 100 kilos.

Olive Oil—No change shown in this market with prices unchanged at \$1.30@1.35 for the denatured in barrels in New York and \$2.00@2.35 for edible.

Olive Oil Foots—Quotations were lower last week with barrels in New York at 9½c@9¾c lb. and barrels for shipment at 9¾c@9½c lb.

Palm Oil—This situation remained unchanged last week with Lagos at 9½c@10c lb. in casks, Niger 8¾c@8½c and Bonny old Calabar nominal at 8½c lb. Imports at New York were 223 casks.

Palm Kernel Oil—This material continues quiet at unchanged prices of 10c@10½c lb. in barrels.

Perilla Oil—Price of this material is merely nominal at 15½c lb. in barrels.

Rapeseed Oil—No change evidenced in this situation with price unchanged at 92c@93c refined and \$1.14 blown in barrels. Imports for last week 750 barrels.

Sesame Oil—Some of this material has reappeared on the market sold last week for 14½c@15c lb.

Soya Bean Oil—Small lots of crude material are somewhat easier with prices at 13¾c@14c lb. Larger lots remain unchanged at 11½c tanks, Coast and 12½c in tanks at New York. Refined material steady at 14½c lb. in barrels.

Animal Oils

Greases—Slightly easier tendency shown in this material with yellow grease down to 8¾c lb. Choice white material easier at 11c@11½c lb. with brown and house unchanged at 8½c.

Lard Oil—No change in this material with prime edible at 18¾c lb.; off prime at 15½c; extra at 14¾c; extra No. 1 at 13½c; No. 1 at 13c and No. 2 at 12½c.

Neatsfoot Oil—No further change since last week with 20° c.t. at 18½c lb. in barrels; pure at 15½c; extra at 13½c and No. 1 at 13c.

Oleo Oil—No further reduction shown in this material with No. 1 firming up at 12c lb.; No. 2 at 11c and No. 3 at 10c.

Red Oil—Saponified material has eased off to 11½¢ due to easing of tallow. Refined material remains unchanged at 11¾¢ lb. in barrels.

Stearic Acid—An upward trend is shown in this material with single pressed unchanged at 13¢ lb., double pressed up to 14½¢@14¾¢ and triple pressed up to 16½¢@17¢ for both the distilled and saponified.

Stearine Oleo—A slight increase shown by this product which is now up to 10¾¢@10½¢ lb.

Tallow—This material continues its downward course, having reached 10¾¢ lb. for edible material and 8¾¢ for city, extra loose.

Tallow Oil—This price remains unchanged at 12¢@13¼¢ for the acidless as to amount.

Fish Oils

Cod Oil—This material remains inactive at 62¢@65¢ gal. in barrels and 55¢@57¢ in tanks. Imports for last week 610 casks.

Menhaden Oil—Inactivity still characterizes this market with prices for crude material merely nominal. Light strained material steady at 80¢@82¢ gal., yellow bleached at 83¢@85¢, extra bleached at 85¢@87¢ and blown at 11¢ lb.

SWEDEN DOUBLES SOYA BEAN IMPORTS

Sweden's vegetable oil industry has shown rapid development within recent years, says Consul W. A. Leonard, Stockholm, in a report to the Department of Commerce. Soya-bean oil production has shown a particularly marked development in Sweden. It is estimated that in 1923 approximately 50,000 of the 54,557 tons of soya beans, vetch, and peas imported were soya beans—almost double the import of 1922—which means a corresponding increase in the production of soya-bean oil, as there appears to be no re-exportation of soya beans from Sweden.

The growth of the domestic industry does not seem to have greatly affected the imports of foreign soya-bean oil, which averages between 4,000 and 5,000 tons a year, but an export trade has developed, principally to Norway, which increased from 228 tons in 1922 to 1,170 tons in 1923.

Production of linseed oil has also increased within recent years. Imports of linseed in 1923 reached 30,593 tons, which is a record figure. The import supply is chiefly from Argentina. As there is practically no export of linseed, the importation is consumed in the domestic industry in the seven linseed-oil factories.

The most important countries producing vegetable oils in Europe are England, France, Germany and Holland, says the Netherlands Chamber of Commerce, New York. These four countries import yearly more than 3½ million tons of oilseed, from which they produce 1¼ million tons of oil. These vegetable oils form the basis of the margarine, linoleum, soap and paint industries. Holland's production of vegetable oils in 1923 totalled 198,315 tons, made from imported seeds totalling 478,719 tons. Holland produces more than it needs for domestic consumption. In 1923 it produced 198,315 tons, imported oil totalling 61,138 tons, exported 159,689 tons, and consumed 99,764 tons.

Sale of Southern Cotton Oil Co., owned by Virginia Carolina Chemical Co., to a syndicate headed by Rudolph Schecht, President of the Hibernia Bank and Trust Company, of New Orleans, was confirmed by Federal Judge Runyon in Newark, N. J. on Tuesday. The price is \$9,500,000. Another bid by Leroy Springs and others was higher, but the receivers favored the New Orleans group.

HOGS MAY BOOST THE OIL MARKET

Government statistics show that farmers have been getting rid of their hogs as rapidly as possible lately because they can sell their corn for more than it is worth to keep the hogs. On Feb. 1, there were 12,000,000 less hogs in this country and Canada than at the same time last year. This has already affected the vegetable oil market and is expected to affect it still further.

Hogs have been sold that yield far less fat than has heretofore been the case and even 2,000,000 breeding sows have been sacrificed. This means there will be a shortage of young pigs this coming season with a consequent shortage of futures in lard and also will turn more grain into the market and produce a larger amount of vegetable oils, as well as increasing the demand for these oils.

Some dealers believe that the bottom has been reached in the oil market and are looking for a rapid upturn early in March.

COTTONSEED OIL OUTPUT LARGER

Cottonseed crushed during the six months' period, Aug. 1 to Jan. 31, totaled 3,242,325 tons, compared with 2,402,545 for the same period a year ago, and cottonseed on hand at mills Jan. 31 totaled 898,671 tons, compared with 578,378 a year ago, the Census Bureau announces.

Cottonseed products in the six-month period and on hand Jan. 31 included: Crude oil produced 971,257,902 pounds, compared with 707,186,083, and on hand 120,997,033 pounds, compared with 135,934,532; refined oil produced, 766,328,973 pounds, compared with 506,430,300, and on hand 303,506,402 pounds, compared with 173,310,671.

Exports for the six months included crude oil, 13,778,882 pounds, compared with 15,790,246 for the same period a year ago; refined oil, 18,374,635 pounds, compared with 7,898,879; cake and meal, 320,439 tons, compared with 76,753, and linters 77,942 bales, compared with 35,675.

OLIVE OIL OUTPUT INCREASES 16 P. C.

Estimates of the olive oil produced from the 1924 crop for all the important producing countries around the Mediterranean, show a total of 790,600 short tons of oil compared with 677,300 short tons produced last year, or an increase of 16.7 per cent. The latter estimates for Italy for the 1924 crop, although lower than those issued early in the season, are still well above the 1923 figures. The Greek crop is noteworthy because of the increase of 145 per cent over the 1923 production. This increase, together with the increase in Spain and Italy, offsets the poorer yields in the smaller producing countries of Asia, Northern Africa about holding its own.

According to the International Institute of Agriculture, Spain has increased the acreage devoted to olive culture to 4,287,000 acres in 1924 from 4,013,000 acres in 1923, and an average of 3,918,800 acres for the five years 1918-22.

Whale oil exported from Grenada is subject to duty as follows: 1s 3d for every 40 lb. barrel of the first 4,000 barrels exported by one company, and 2s 6d for each barrel in excess of 4,000. On every bag of whale guano 1s is charged.

Exports of copra from Samoa during 1924 are estimated at about 14,000 tons, of which practically all went through the London market. The market eased off at the last of the year, dropping from £31 to £28 per ton.

Chinawood oil shipped to this country through Hongkong in 1923 was valued at \$1,150,692, an increase of \$965,889 over the previous year.

Miscellaneous Raw Materials

Heavy Chemicals, 590-615; Tan and Dyestuff, pages 590-615; Fatty Oils, 615-616

MAKERS REDUCE ENGLISH VERMILION

Recent Drop in Quicksilver Responsible—Lead Pigments Easy, But Unchanged, on Weakness of Metal—Antimony Sulfurette Strong Although Raw Material Is Down—Lower Grade Rosins Recover.

In a quieter market for raw materials for the rubber, glass, leather, paper, textile, and allied trades, nothing outside of routine developments has been reported. Price changes have been few and on the whole demand has not been up to the January average during the past week for most products. Little change in quoted levels is noted, although indications that some shading here and there is being done to get competitive business. Following the recent break in quicksilver prices, manufacturers of English vermilion have cut quotations five cents. The weakness of lead metal holds lead oxides and other pigments somewhat easy, although no change from the lower prices of last week is noted. Antimony sulfurette continues strong in the face of a three cent recession in antimony last week. Lower grades of rosins have recovered from lower prices to some extent. Whiting and talc show no changes.

ACCELERATORS

Aniline Oil—See Intermediate and Dye Market Report.

Diphenylguanidine—Moving in steady volume at \$1.10 lb. spot for 100lb. lots, and \$1.05 lb for 1,000lb. quantities.

Hexamethylene—Price steady at 82½¢@85¢ lb. spot as to quantity. Export demand active, and domestic consumption reported on increase.

Thiocarbamilide—Price of 27¢@29¢ lb. spot is unchanged.

Quinoidine—Supplies ample for present needs at 40¢ lb. spot in drums.

ALBUMENS

Blood—This material continues to move in a routine manner with prices lower at 47¢@50¢ lb.

Egg—Normal activity reported for last week with prices at \$1.29@1.35 for the edible and 95¢@1.05 for technical.

CLAYS AND FILLERS

Barytes—This material is moving in a normal manner with prices unchanged at \$26@28 ton for floated in barrels, and \$30@35 ton for the imported.

Blanc Fixe—Routine movement is reported in this market with prices firm at \$75@90 ton for the dry material as to grade, color and oil absorption. Pulp unchanged at \$50@60 ton.

Clay—Prices in this material fixed for the year unless some unforeseen development arises. Contracts being closed at \$12.50@15.00 for bulk filler clay; \$18@22 for imported coating clay and \$20@25 for imported ground clay, containers extra. Domestic clays show no change at \$6@9 for crude; \$11@13 washed and ground and \$14@16 ton, f.o.b. works for high grade material.

Talc—Normal activity reported for the week with no price changes. Domestic material quoted at \$12@15 ton crude; \$16@18 refined and \$32@40 for the high grade material. French white refined material unchanged at \$38@45 ton and Italian easier at \$45@50 ton.

Whiting—Routine movement continues in this ma-

terial with prices steady at \$1.00@1.15 100lb. for domestic material and \$18@30 ton for the imported as to grade.

COLORS AND PIGMENTS

Antimony Sulfurette—In active demand at 19¢@24¢ lb. spot for golden, and 39¢@50¢ lb. for crimson goods.

Blues—Increased demand shown last week with no price changes yet in evidence. Prices of 35¢@37¢ lb. for Prussian, Milori, Chinese, bronze and soluble continued to be quoted.

Carbon Black—Price at works generally quoted at 6¢@6¼¢ lb. in c/l, and ordinary on spot in lc/l in cases for 9¢@10¢ lb.; air floated, 10¢@11¢ lb.; and compressed material, 9¢@10¢ lb. Export demand active.

Chrome Colors—No price change reported despite increased activity. The yellows continue to be quoted at 20¢@22¢ lb. The C.P. greens are reported steady at 29¢@38¢ as to shade and the commercial greens steady at 6½¢@11¢ lb. as to grade and percentage of color.

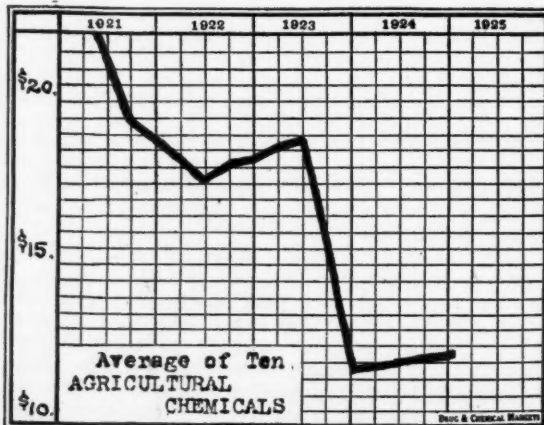
Iron Oxide—This material remains unchanged at 2¾¢@3¾¢ lb. for the Spanish, 3¢@6¢ for natural domestic and 10¢@12¢ for English and domestic manufactured material.

Lithopone—Somewhat increased activity reported with prices steady at 6½¢@6¾¢ lb. for domestic material and 5¢@6¢ for imported.

Red Toners—Para red toners continue to exhibit normal activity with prices remaining at 90¢@1.00. Toluidine toners unchanged at \$1.80@2.05.

Agricultural Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid Sulfuric, 66° .....ton	\$14.00	\$14.00	\$14.00	\$14.50	\$35.00	\$20.00
Ammonium Sulfate, 100lbs.	2.60	2.60	2.75	3.00	7.75	2.65
Arsenic .....lb. . . . .	.05¼	.05¼	.05¼	.11½	.18	.04
Copper Sulfate .....100lbs.	4.70	4.70	4.70	4.65	20.00	4.05
Paris Green	21	21	25	26	.50	.11
Potash Murate, 90%ton	34.55	34.55	34.55	35.55		
Potash Sulfate, 90%ton	45.85	45.85	45.85	45.85	440.00	48.07
Phosphate, Acid, 16%ton	9.50	9.50	9.50	7.50	21.00	15.00
Phosphate, Rock 66%ton	2.25	2.25	2.25	2.25	11.00	3.00
Sodium Nitrate .....100lbs.	2.66	2.66	2.62	2.49	5.00	1.90
Average	11.637	11.637	11.652	11.814	103.50	13.84



Vermilion—Prices marked down by makers to \$1.35 @ \$1.40 with still lower figures heard.

Zinc Oxide—Increased activity has firmed this material with prices unchanged. French process quoted at 10½¢@12½¢ lb.; green seal at 11¼¢@12½¢; white seal at 12¢@12½¢ lb. and American process material at 8¼¢@8¾¢ lb.

DYE AND TAN WOODS

Divi-Divi—This material remains scarce with holders asking \$55.00 ton in bags.

Mangrove—There is none of this material to be had and any price quoted would be nominal only.

Myrobalans—European purchasers with poor buying interest here have practically cleaned this market to that any material to be had remains up around \$60@\$65 ton for J1's; \$47@\$50 for J2's and \$47 for R2's.

Sumac—Sicilian material still up around \$162@\$175 ton and Virginia material at \$55@\$60 ton.

Valonia—This material seems somewhat easier with cups down to \$37 ton, beards at \$54@\$55 ton and mixture down to \$43 ton.

EXTRACTS

Archil—This material remains the same with double quoted at 13¢@14¢ lb.; triple at 16¢@17¢ and concentrated at 18¢@20¢ lb.

Chestnut—No price change in this material with normal activity reported. Clarified steady at 1¾¢@2¢ lb. in tanks and 2½¢@2¾¢ in barrels.

Gambier—Prices remain unchanged in this material with 20¢ lb for common; 14¢@15¢ lb. for 25% liquid and 24¢@25¢ lb. for Singapore cubes.

Hematin—Crystals remain unchanged at 14¢@18¢ lb. and paste at 0¾¢@13¢ lb. No change reported in this situation.

Logwood—This material continues to move in routine manner with prices unchanged at 8¼¢@8¾¢ lb. for the 51° and 7¢@8¢ lb. for lower grades. Solid material unchanged at 12¾¢.

Myrobalans—This material is stronger at recent advances. No further change in prices with 25% liquid quoted at 4¼¢@5¼¢ lb. and 50% solid at 8¼¢ lb. Foreign material can be had for 6½¢ lb.

Osage Orange—Prices for this material remain unchanged at 6¾¢@7¢ lb. for liquid and 13½¢@14¢ lb. for solid.

Quebracho—Quiet market reported in this material with prices unchanged at 5¢ lb. for 65% material in bales and 3¢@3½¢ for 35% liquid in barrels.

FERTILIZERS

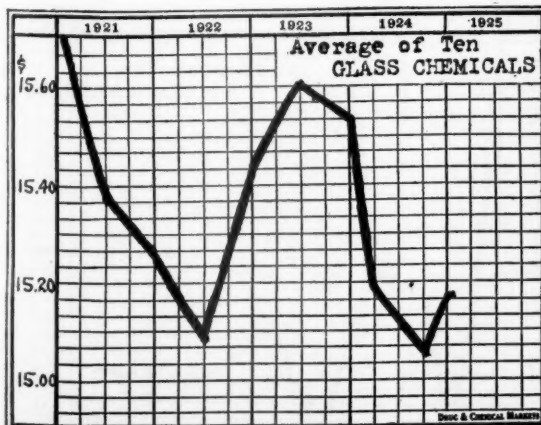
Ammoniates—No new developments in this material with prices unchanged. Dried blood is still steady at \$3.60 unit f.o.b. New York and \$3.50 unit in Chicago. Steamed bone remains at \$22@\$23 a unit in Chicago and raw bone in New York is steady at \$32.50@\$34.00. Prices for fish scrap are nominal as there is no new material to be had. Some dried material is quoted at \$4.50 and 10¢ unit and some acidulated material is available in Wilmington at \$4.50 and 50¢ unit. Tankage remains quiet at \$3.70 and 10¢ unit for the ground and screened material in New York and \$3.10 and 10¢ in Chicago.

Ammonium Sulfate—None to be had in the South with a spotty demand in the North. Prices remain unchanged at \$2.90@\$3.00, delivered northern points and \$3.10@\$3.15 southern points. Export material continues nominal at \$3.10 f.a.s.

Acid Phosphate—The 16% guaranteed material con-

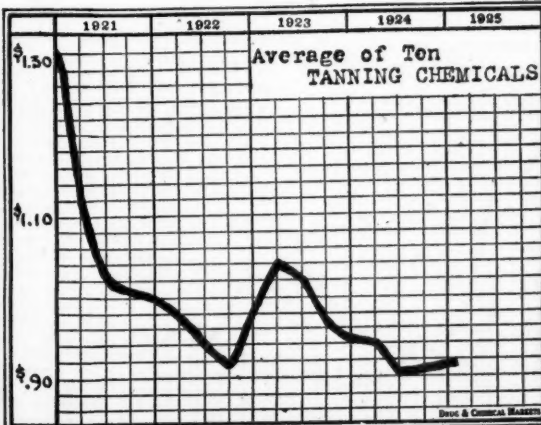
Glass Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Arsenic	100lb. \$5.25	\$5.25	\$5.75	\$12.75	\$18.00	\$4.00
Fluorspar 96% c.i.f.	ton 34.00	34.00	34.00	33.50	60.00	28.00
Limestone, ground	ton 4.50	4.50	4.50	5.00	8.50	4.00
Litharge	100lb. 12.25	12.25	12.75	16.00	17.00	9.00
Salt Cake	ton 18.00	18.00	18.00	21.00	40.00	15.00
Silica, crude	ton 16.00	16.00	16.00	10.00	20.00	8.00
Soda Ash, dense	100lb. 1.45	1.45	1.45	1.45	4.10	.69
Sodium Silicofluoride 100lb.	4.50	4.50	4.25	6.00	10.00	3.50
Sodium Sulfate, anhyd. 100lb.	3.00	3.00	3.00	3.50	8.00	2.50
Tin Oxide	100lb. 58.00	58.00	58.00	51.00	100.00	60.00
Average	15.095	15.095	15.40	12.50	28.56	13.07



Leather Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%	\$3.12	\$3.12	\$3.12	\$3.38	\$17.00	\$1.50
Acid, Formic, 90% .....	.10½	.10½	.11½	.14	1.50½	.07
Acid, Lactic, 22% dark .....	.06½	.06½	.05½	.04½	.07	.00
Potassium Bichromate .....	.08½	.08½	.08½	.09½	.65	.06½
Epsom Salt, tech.	1.70	1.70	1.70	1.80	3.75	1.40
Sodium Prussiate, Imp. ....	.10½	.10½	.10½	.11½	1.25	.18
Soda Ash, 58% wks.	1.35	1.35	1.39	1.38	4.10	.69
Sodium Bichromate .....	.06½	.06½	.06½	.07½	.45	.04½
Sodium Hyposulfite, pea.	2.50	2.50	2.50	2.75	3.75	1.40
Sodium Sulfide, 60% wks. ....	.04	.04	.03½	.03½	.10½	.02½
Average	0.915	0.916	0.957	0.981	3.267	0.528



tinues to be quoted at \$9.50 with no change in the general situation.

Cyanide—Makers continue to quote this material at \$1.95@2.00 for immediate delivery and \$1.85 for March-April delivery.

Nitrogenous Material—This material continues to move in a routine manner at steady price of \$3.20@3.25 c.i.f. Atlantic Ports.

Sodium Nitrate—See Heavy Chemical Market Report.

Cottonseed Meal—This material remains the same with prices for 7% material remaining at \$33@35.

INSECTICIDES AND FUNGICIDES

Arsenic—See Heavy Chemical Market Report.

Calcium Arsenate—This material has been marked down to 6c@8c lb. with increased interest shown.

Copper Carbonate—No change indicated in this material with price steady at 16½c@17½c with some lower figures reported.

Copper Sulfate—See Heavy Chemical Market Report.

Lead Arsenate—With lead and arsenic both weak on the market this material has gone down during the past week to 15c@16c dry in carlots and 9c@11c for the paste.

Paris Green—No change in this situation with makers producing against the opening of the season and holding the prices at 21c@24c lb. arsenic basis in kegs.

METALS

The metal market showed a general weakening during the past week. Antimony is particularly weak on March-April shipments and spot material has weakened somewhat in sympathy, closing for the week at 18½c@19c lb. or a drop of 3c from last week's figure. Copper struck its lowest figure for the year during the week but came back somewhat although it lacked buoyancy at the end

of the week. Lake material closed at last week's figure of \$14.87½@15.00 100lb.; electrolytic was down to \$14.62½@14.75 and casting down to \$14.12½. Lead recorded a further decline with prices now at what is considered by some to be the normal level. Spot material in New York closed at \$9.25 and in East St. Louis at \$9.00@9.12½ 100lb. Zinc recorded the only advance for the week due to scarcity of spot material and closed at \$7.92½@7.95 in New York and \$7.57½@7.60 in East St. Louis with futures quoted at 2½ points lower.

NAVAL STORES

Rosins—Fair business reported with a return in price of some of the lower grades. Grade B remains at \$8.20; grades D to G went up to \$8.25; H up to \$8.30; I recovered to \$8.35; K up to \$8.60; M unchanged at \$8.90; N up to \$9.30; WG steady at \$9.50 and WW at \$10.60.

Pine Oil—Continued quietness exists in this market with prices steady at 66c for steam distilled and 63c lb 64c for destructive distilled.

Tar—Firmness characterized this market with leading factors sold many weeks ahead. Prices unchanged at \$13.50 for both retort and kiln product.

Turpentine—This market remained quiet with no price change. Steam distilled material remained steady at 94c and destructive distilled at 84c gal.

(Special Correspondence to DRUG & CHEMICAL MARKETS)

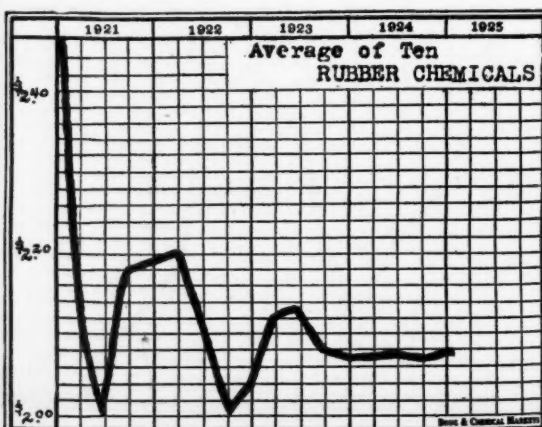
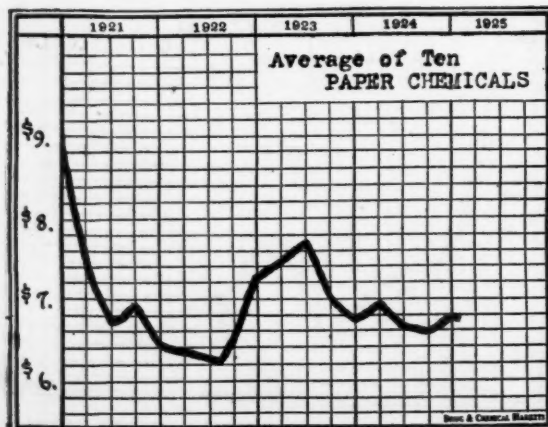
Savannah, Ga., Feb. 20—Rosins closed firm at levels about 2½c@5c above those of last week on most grades. The demand is increasing and shipments are reducing stocks sufficiently so that higher prices are anticipated for early March. Receipts for the week were 5,361 bbls.; stock on hand is 65,711 bbls. Closing prices were: B \$6.85 @6.97½; D, E, F, G \$5.97½@7.00; H \$7.00;

Paper Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aluminum Sulfate	\$2.00	\$2.00	\$2.00	\$2.40	\$3.50	\$1.50
Bleaching Powder	1.90	1.90	1.90	1.75	9.50	1.50
Casein .....	.12½	.12½	.11	.11	.28	.20
China Clay, Dom.	10.00	10.00	10.00	10.00	25.00	8.00
Chlorine c/l Cyl. ....	.05½	.05½	.06½	.05	.50	.08
Salt Cake	17.00	17.00	19.00	20.00	80.00	11.00
Sodium Silicate, 40% ..	.80	.80	.80	.80	1.75	2.00
Soda Ash, 58% wks.	1.38	1.38	1.38	1.38	4.10	.00
Sulfur	18.00	18.00	18.00	18.00	65.00	20.00
Rosin F grade	8.25	8.20	8.30	5.85	4.50	20.25
Average	5.951	5.946	6.155	6.015	13.30	5.50

Rubber Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Antimony, Sulfide Crim..	\$.39	\$.39	\$.39	\$.39	\$.45	\$.35
Carbon Bisulfide .....	.06	.06	.06	.06	.50	.10
Carbon Black .....	.09	.09	.09½	.11	.30	.14
China Clay, Imp.	16.00	16.00	16.00	16.00	20.00	14.00
Hexamethylene .....	.82½	.82½	.82½	.82½	1.35	.00
Iron Oxide, Span. ....	.03	.03	.03	.03½	.04½	.05
Lithopone .....	.06½	.06½	.06½	.06½	.08	.04
Sulfur	3.00	3.00	3.00	3.05	6.50	2.75
Whiting, Dom.	14.00	14.00	14.00	14.00	30.00	11.00
Zinc Oxide, Amer. ....	.08½	.08½	.08½	.07½	.09½	.09
Average	3.454	3.454	3.449	3.462	5.937	..



1 \$7.05; K \$7.25@\$.70; M \$7.70; N \$8.00; WG \$8.30; WW, X \$9.30.

Turpentine was firmly held and bids of 86c@87c were refused and all offerings were bid in at 88c. Stocks are decreasing to such an extent that within thirty days a much stronger market and higher prices are anticipated. Receipts for the week were 713 bbls.; stock on hand 1,901 bbls.

Jacksonville, Fla., Feb. 20—Turpentine firm at 88c with total sales of 535 bbls. A small lot of 30 bbls. was carried over after a bid of 88c had been refused. Buying was active and the undertone was improved. Rosins closed at following prices: B, D \$6.95; E, F, G, H \$7.00; I \$7.05; K \$7.25; M \$7.70; N \$8.00; WG \$8.20; WW \$9.20; X \$9.30. Stocks of rosin are 107,590 bbls.; and of turpentine 24,359 bbls.

STARCHES, DEXTRINES AND SIZES

Amber Sorts—See Crude Drug Markets—Arabic Gum.

British Gum—This material continues to move in a normal manner with no price change indicated. Prices remain at \$5.12@\$.52 as to amount purchased.

Casein—Active demand coupled with low production due to the season of the year keeps the price of this material up to 12c@13c for imported; 13½c for domestic, ordinary mesh and 16½c domestic 100 mesh.

Dextrine—Slight activity shown as most buyers laid in their supplies last month. Prices remain unchanged, at \$4.72@\$.482 for yellow and 8½c@9c lb. for potato \$4.62@\$.472 for white corn as to quantity purchased; dextrine as to grade.

Starch—Quiet market reported in this material v prices steady at \$4.07@\$.417 for powdered corn; \$3.97@\$.407 for pearl, prices being for 100 lbs. and 5c@5½c for domestic potato and 6½c@7c lb. for imported.

RECORDS STRESS STRAINS OF RUBBER

C. S. Williams, a technologist in the Rubber Service Laboratories of the R & H Chemical Co., has perfected a stress strain recording device that may be readily attached to the usual standard type testing machine. The principle upon which this device is based lies in the action of two pointers which follow marks made one inch apart on the rubber sample. As the sample is stretched these marks are separated, the recording chart is raised an equal distance and simultaneously a pen is carried across the chart at right angles to an amount proportional to the pounds tension applied.

The device is a definite addition to testing resources. In making it widely available Roessler & Hasslacher Chemical Co. is actuated by the spirit of co-operation which they display toward the industries they serve. Further details may be obtained by writing Roessler & Hasslacher Chemical Co., 709 Sixth Ave., New York.

Secretary Hoover, in a report to the Senate, states that there has been a slump in the calf leather tanning industry of this country since 1920. More than a score of foreign tanners have opened agencies in this country since they are able to produce at lower cost than American tanners, due to the difference in the wage scale.

Imports into Canada of dyeing and tanning materials during November, 1924, were valued as follows: From Britain, \$32,156; United States, \$182,117; other countries, \$82,352; total, \$296,625; compared with imports in November, 1923: From Britain, \$28,176; United States, \$200,072; other countries, \$162,813; total, \$391,061.

New Incorporations

In the Chemical, Drug, Oil Producing and Consuming Fields
American Cleaners and Dyers, Inc., Springfield, Mass., \$50,000.
Jacob H. Schuh, Max Rich, Sam Shapiro, Harry A. Mullen.
Gleasonite Products Co., Boston, Mass., \$500,000 and 2,000 shares with no par value. Rubber products. Max Brown, Frederick J. Gleason, George F. Kerr.
F. S. Bartlett and Son, Inc., Woburn, Mass., \$500,000. Waterproofing. Frank S. Bartlett, Edward C. Bartlett, George P. Wyer.
R. Blum Co., Boston, Mass., \$25,000. Sponges and chamois.
Elizabeth Blum, Leon Block, John J. Hayes.
Irving Silverman, New York, \$25,000. Drugs and chemicals. I. Silverman, J. A. Sussman, C. Goldberg. Attorney, J. T. Robbins, New York.
Schwartz & Forger, New York, \$100,000. Dyeing. G. V. Reilly, H. O. Hand, S. C. Wood. Attorneys, McGuire, Horner & Smith, New York.
Ever-Brite Products Co., Wilmington, Del., \$250,000. Manufacture tarnish proof compositions. Franklin L. Mettler, Wilmington. Chemical Associates, New York, 300 shares common stock, no par value. Realty. M. R. Spink, M. Rubinstein, D. Mermelstein. Attorneys, Baker & Obermeier, New York.
Gerlinger Drug Products, New York, \$30,000. J. J. Gerlinger, W. W. and M. Campbell. Attorney, A. R. Moynihan, New York.
Versailles, Dover, Del., \$1,600,000. Perfumes, toilet accessories, etc. United States Corporation Co.
Pacific Lime & Cement Corp., Dover, Del., \$20,000,000. U. S. Corporation.
Margo-Nance, New York, 200 shares common stock, no par value. Make perfumeries. H. E. Herman, A. O. Ernst, H. Lebrich. Attorney, Herman & Ernst, New York.
Waters Bros., Wilmington, Del., \$550,000. Drugs and groceries. Delaware Incorporating Co.
H. W. Stark Drug Co., Gainesville, Tex., \$100,000. H. W. Stark, Jack Frost, V. A. Gravitt, C. H. Gravitt, Frank Steele.
Aganori Products Co., New York. 100 shares preferred stock, \$100 each and 1,000 shares common, \$10 each. Toilet preparations. G. G. Phillips, E. R. Lacva. Attorney, M. M. McCullough, New York.

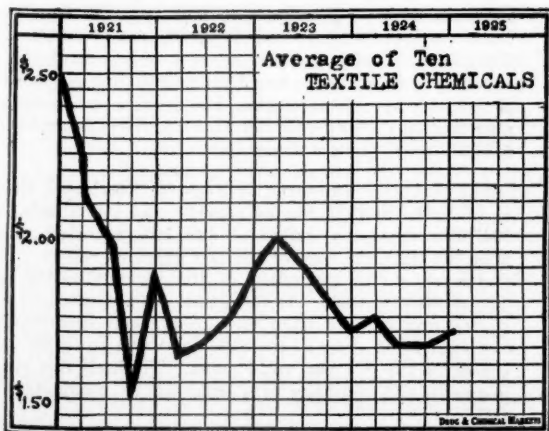
Canadian Incorporations

The Instant Polish Co., Ltd., Barrie, Ont., \$500,000. To manufacture polish for metals. Sarah E. Arnold, Edith W. Arnold Wm A. Buys.
Ayerst McKenna & Harrison, Ltd., Montreal, Que., \$145,000 and 500 shares of no par value. Francis J. Lavery, Charles A. Hale S. G. Dixon.
Dominion Industrial Alcohol, Ltd., Toronto, Ont., 500,000 shares of no par value. To manufacture alcohol. Masie McMullen, Ida MacDonald, Elizabeth F. Bell.
Liskeard Woolen Mills, Ltd., New Liskeard, Ont., \$40,000. To manufacture textiles. Eleazor C. Childerhose, Morley F. Puma-ville, Marjorie Childerhose.

INDUSTRIAL CHEMICAL SECTION

Textile Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%	\$3.12	\$3.12	\$3.12	\$3.38	\$17.00	\$1.50
Acid Oxalic	10%	10%	10%	.11	.70	.07%
Bleaching Powder	1.90	1.90	1.90	1.75	9.50	1.50
Copper Sulfate	4.70	4.70	4.70	4.75	20.00	4.50
Epsom Salt, U.S.P.	2.15	2.15	2.15	2.10	4.25	1.50
Glauber's Salt	1.25	1.25	1.25	1.30	2.50	.20
Potash, Caustic, Imp. ....	.07%	.07%	.07%	.06%	.87	.12
Soda Ash, 58% wks.	1.38	1.38	1.38	1.38	1.10	.60
Soda Caustic, 76% wks.	3.10	3.10	3.10	3.10	9.50	1.80
Sodium Bichromate .....	.06%	.06%	.06%	.07%	.45	.04%
Average	1.784	1.784	1.785	1.803	4.800	1.25



QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending Feb. 21

Bid	Asked	Bid	Asked
*Air Reduction 105 1/2	106	Hercules Powder	96
*Allied Chem. & D.	87 1/2	Hercules Powd., pf. 106	108
*Allied C. & D., pf. 118 1/2	118 1/2	Heyden Chem.	24
*Am. Ag.	20 1/2	Hooker Electro 12	15
*Am. Ag. Ch., pf.	52 1/2	Hooker Electro, pf.	40
*Am. Chicle 44	44 1/2	*Household Products. 35 1/2	35 1/2
*Am. Chicle, pf.	94	*Int. Agricult.	12 1/2
*Am. Cyan.	122	*Int. Agricult., new. 8 1/2	9
*Am. Cyan., pf.	82	*Int. Nickel 27 1/2	27 1/2
*Am. Druggists, S.	6 1/2	*Int. Nickel, pf.	97
Am. Glue 47	50	*Int. Salt 70 1/2	74 1/2
Am. Glue, pf.	106	*Mathieson Alk.	68
*Am. Linseed 28	28 1/2	*Mathieson Alk., pf. 97	101
*Am. Linseed, pf.	65 1/2	*MacAnd. & Forbes. 154	157
*Am. Metal 40 1/2	40 1/2	MacA. & Forbes, pf. —	101
*Am. Zinc 94	94 1/2	Merck & Co., pf.	57
*Am. Zinc, pf.	32	Merrimac 84	86
Archer-Dan-Mid.	32 1/2	Mulford Co.	30
Archer-Dan-Mid., pf. 95	97	*National Lead 160	163
*Atlas Powder 50	52 1/2	*National Lead, pf. 114 1/2	—
*Atlas Powd., pf.	92	Niag. A., pf.	80
By-Prod. Co.	46	N. J. Zinc 160	164
By-Prod. Co., pf.	102	Parke, Davis & Co., 77	80
Canad. Ind. Al.	18 1/2	Penn Salt 81	83
Canad. Salt 105	115	*Peoples Gas, Chi. 116 1/2	117
Casein Co.	68	Procter & Gamble. 111	113
Celluloid Co.	42	Procter & Gam., pf. 158	—
Celluloid Co., pf.	92	Royal Bkg. Pow.	148
*Certain-teed Prods. 42	43	Royal Bkg. Pow., pf. 100	101
Charcoal Iron 10	20	Shawinigan 130	132
Ches. Mfg.	47	Sherwin-Williams ... 34 1/2	—
Ches. Mfg., pf.	112	Sherwin-Will., 1st pf. 103 1/2	110
Clark Co., Fred.	2 1/2	*Sterling Prod.	63 1/2
Cleve. Cliffs Iron.	70	Swan & Finch 20	24
*Com. Solv. A.	168	*Tenn. C. & Chem.	8 1/2
Do. B.	167	*Tex. Gulf., Sul.	101 1/2
*Corn Products 39 1/2	39 1/2	Union Carbide 59 1/2	—
*Corn Products, pf. 110	120 1/2	*Un. Drug 116 1/2	118
*Davison Chem.	43 1/2	*Un. Drug, 1st pf. 52 1/2	52 1/2
Dow Chem. no par.	55	*Un. Dyewood 20	26
Dow Ch., pf.	98	*Un. Dyewood, pf.	52
Dow Drug Co.	140	Un. Gas Imp.	57
Dow Drug Co., pf.	108	Un. Gas Imp., pf.	36
*Du Pont, Del.	95 1/2	U. S. Gypsum 127	132
*Du Pont de Nem.	147	*U. S. Indus. Al.	80 1/2
*Eastman Kodak 114	114 1/2	*U. S. Indus. Al., pf. 105	107
*Eastman Kodak, pf. 114	—	*Va. Car. Ch.	2 1/2
*Freepet Tex.	9 1/2	*Va. Car. Ch., pf.	12 1/2
*Gen. Asphalt 57	57 1/2	*V. Vivaudou 11 1/2	11 1/2
*Genl. Asphalt, pf.	95	Will & Baumer 12	14
*Gold Dust 39	39 1/2		
Grasselli 125	130		
Grasselli, pf.	101		

*Listed on New York Stock Exchange

Unlisted Stocks Through Courtesy Pyncheon & Co.

FOREIGN EXCHANGE		Par	Current
Great Britain (pound sterling)		\$4.866	\$4.76
France (franc) .....		.183	.052
Italy (lira) .....		.193	.041
Belgium (franc) .....		.193	.050
Czechoslovakia (crown) per hundred		26.30	.029
Denmark (krone) .....		.268	.178
Germany (mark) .....		.238	.238
Holland (florin) .....		.402	.401
Norway (krone) .....		.258	.152
Poland (zloty) .....		.193	.192
Spain (peseta) .....		.193	.142
Sweden (krone) .....		.268	.269
Switzerland (franc) .....		.193	.192
Argentina (peso) .....		.424	.395
Brasil (milreis) .....		.324	.111
Japan (yen) .....		.499	.391
India (rupee) .....		.485	.356
China (Silver dollar, Hongkong) .....		.789	.555
(Tael-Peking, silver)		1.156	.786
(Tael-Shanghai, silver)		1.366	.753

Stockholders of United Drug Co. have approved the increase in authorized first preferred stock from \$20,000,000 to \$35,000,000 to be used in part to complete the absorption of Liggett's International Ltd.

U. S. Gypsum Co. reports net earnings of \$7,166,380 for 1924 which, after preferred dividends, amounts to \$14.96 on common stock.

Paige & Jones Chemical Co., New York, has increased its capital from \$150,000 to \$400,000.

Financial Notes

International Salt Co. has declared the regular quarterly dividend of 1 1/2 per cent, payable April 1 to holders of record March 16.

Union Carbide & Carbon Co. has declared the regular quarterly dividend of \$1.25 a share, payable April 1 to stock of record March 6.

Douglas-Pectin Co. has declared a regular quarterly dividend of 25c a share, payable March 31, to stockholders of record March 2.

Household Products, Inc. reports net profits of \$2,311,960, for 1924, equal to \$4.62 a share against \$2,318,720, or \$4.63 a share, for 1923.

Procter & Gamble Co. has declared the regular quarterly of 1 1/2 per cent on the 6 per cent preferred stock, payable March 14 to holders of record Feb. 25.

Globe Soap Co has declared the regular quarterly dividends of 1 1/2 per cent on the first, second and special preferred stocks, payable March 16. Books close March 2 and reopen March 17.

Bradford Dyers' Association, London, reports net profits of £944,141 for 1924 against £1,032,152 for 1923. A dividend of 5 shillings a share has been maintained on the ordinary stock.

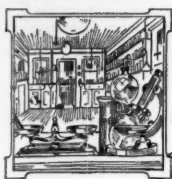
Whirlpool Products, Inc., Philadelphia, incorporated under the laws of Delaware, has changed its name to Chemical Products Co. of America and increased the authorized capital from \$25,000 to \$2,100,000.

California Cyanamide Co., subsidiary of Air Reduction Co., has issued a call to stockholders for a meeting on march 4 for the authorization of the issue of \$1,250,000 five year 6 per cent gold bonds to wipe out floating indebtedness of \$1,100,000 and provide additional working capital.

At the annual meeting of American Druggists' Syndicate, at 227 Borden ave., Long Island City, N. Y., Feb. 23, a 3 per cent dividend was declared, payable April 15 to stockholders of record March 10. The present officers, George M. McIntosh, president, Parker L. Bailey, treasurer, and S. H. Kent secretary, were re-elected.

Report of Douglas-Pectin Corp. including its subsidiaries, Douglas Packing Co., Ltd., and Oil Emulsion Corp. for year ended Dec. 31, 1924, shows surplus of \$383,771 after depreciation, interest and federal taxes, equal to \$1.27 a share earned on outstanding 300,000 no par shares of capital stock. Previous report covering nine months ended December 31, 1923, showed surplus of \$291,219 or 97 cents a share.

The financial statement of Swan & Finch Oil Corp. as of Sept. 30, 1924, shows a profit and loss surplus of \$347,090, against a deficit of \$490,103, reported as of Sept. 30, 1923, the date of the last previous report. The statement shows the effect of the recapitalization put into effect last year. At that time the par value of the shares was reduced from \$100 to \$25 and stockholders exchanged one share of the \$100 par value stock for two shares of the \$25 par value stock. Through this readjustment the company was enabled to eliminate the deficit.



Drug & Fine Chemical

SECTION



Primary Markets in Crude Drugs

Crop and Price Outlook in Some Foreign Botanicals Based on Late Reports From Producing Centers

By D. L. SILVERMAN

Aloes, Secotrine—The collection season has about come to an end, and the shipment market is unusually low owing to the non-appearance in the primary market of contract buyers. The aloes crop is usually bought up on contract, and then supplies are held at higher prices. Several parcels have been imported into New York at a cost around 20c per pound, but now nothing is available in first hands. Prices a year ago were as high as 32c pound, and a repetition of these figures is quite likely.

Ambergris—This article grows more scarce each year owing to the practical extinction of the sperm whale. However, small amounts are collected, and sold at high figures. The trade makes a differentiation between the black and grey qualities, but often times the black is fully equal to the grey. Prices are well maintained at \$6.00 oz. for black and \$22.00 oz. for grey with the possibility of going higher.

Ammoniac Gum—Owing to the small use and stocks for this product, prices are relatively high. Supplies can be bought for shipment at 50c per pound, or lower for large quantities.

Areca Nuts—Primary market is somewhat easier with quotations named at 13c pound for round lots. The temporary scarcity in America during the past two months has caused shippers to strengthen their views. But since that time, the market has eased perceptibly.

Asafetida—The price of 20c per pound for shipment compares sharply with \$4.00 per pound during the World War. Some fair quantities have been exported from Bombay within the past three months at 20c.

Benzoin Gum—The spot market for Sumatra was depressed previous to the exclusion of some large lots by the Department of Agriculture due to not meeting Government standards. If the Department excludes other parcels, a tight situation can be expected in New York, but with the dumping of poor quality material into other markets, a depressed situation is possible, especially in the primary market. Quoted at 21c per pound for shipment.

Buchu Leaves—With growers in Cape Town selling directly to consumers, jobbers are not anxious to stock material with the result that any appreciable demand tends to boost prices. The shipment price has been lower than spot New York for some time due to a number of distressed lots, which contain a high percentage of stems. Import cost in a large way is 76c per pound.

Cardamom Seed—The new crop turned out to be much smaller than anticipated, and at the present prices, this article is very dangerous to handle. Green grindings quoted at 6s 3d. per pound, and decorticated at 8s. to 8s. 6d. per pound for shipment. Little buying in primary market.

Civet—Owing to a large percentage of adulteration of this item, goods can be bought for shipment from \$1.50 up to \$3.25 per ounce as to reputation of the shipper. In the absence of any definite test, purchases are not always made to advantage when the only test is made according to odor.

Cloves—A large short-interest is known to exist in this item, and when they commence to cover most anything may happen. However, with all signs in favor of a rise in cloves, a reversal in form often occurs as is proven by past years. Import costs are now 26½c per pound, and buying has been small at these figures.

Colocynth—The shortage of apples is due to the shippers not finding it profitable to peel apples in order to select the ones that have the least number of seeds so as to satisfy the Department of Agriculture. Pulp is offered freely for shipment at 20c per pound.

Cubeb Berries—Goods are offered for shipment at 50c per pound, guaranteed to pass the Department of Agriculture.

Euphorbia Pilulifera—Supplies for shipment are scarce at 7c per pound, but buying at the same time is small.

Galbanum Gum—Use is limited, and prices are high. Shipment can be done at 70c per pound.

Gamboge Gum—A good pipe quality will bring 72c per pound in the primary market.

Guaiaac Gum—Import price is quoted at 28c per pound. Only small quantities are available on spot.

Kava Kava Root—Considerable activity has taken place in the primary market during the past month. Stocks at source are practically exhausted. Nothing is expected to arrive in the spot market for some time to come. Shipment is nominal at 16c per pound.

Kola Nuts—Africa is quoting 4c per pound for shipment with possibility of shading this figure on firm business.

Licorice Root—Turkish root is selling at such low prices that inducements are small to buy other grades. Prices to import in fair quantities are 3c pound, but large consumers, such as the tobacco people, are reported to have bought as low as 1½c per pound. Supplies have been coming to America in 2,000 tons lots,

most of which is used in the tobacco trade. The quality is good and in a number of instances, the Turkish is replacing the Spanish product.

Myrrh Gum—Market is still suffering from over-supply, and goods can be bought in primary market at 20c up to 22c per pound as to quality.

Olibanum Gum—Siftings containing no dust are offered at 11c per pound, and not more than 25 per cent. dust at 8½c per pound. Little movement of supplies noted.

Patchouli Leaves—The advance in prices is due to gatherers obtaining more lucrative employment in rubber and spices. Present figure of 13c per pound is exceptionally low. Prices, however, are not expected to advance on spot. If the raw material costs too much, oil can be imported in competition with the domestic made product. At the same time distillers in America are more inclined to buy the leaves, and do their own distilling, than to purchase the oil from abroad, as imported oil is too often adulterated with other materials.

Sticklac—Siam is being used in larger quantities owing to its whiteness. Prices for shipment are named at 44c per pound.

St. John's Bread or Caroubs—A good quality is offered for shipment at 5½c per pound. Some of the recent imports have been barred from the country due to their poor quality.

The early papers describing the first investigations on colloid chemistry are being republished immediately by Ernest Benn, Ltd., London, for the colloids committee of the British Association under the title of "The Foundations of Colloid Chemistry." The volume is under the editorship of Emil Hatschek, and includes papers by Michael Faraday, Thomas Graham, Francesco Selmi and Ascanio Sobrero, van Bommelen and others. Some of these papers have been unobtainable for a long time, and several have never before been translated into English.

A proposed amendment to the pharmacy law of Missouri, which provides that every drug store shall be owned and operated by a registered pharmacist, and in cases of corporations 90 per cent of the stock must be controlled by registered pharmacists, has been approved by members of the Retail Druggists' Association at its monthly meeting, Jan. 20. Under the new law the Board of Pharmacy will be able to check every drug store in the State and prevent men who are not registered pharmacists from operating.

No alcohol seized by the Internal Revenue Department is to be sold without a written statement to the effect that all charges, taxes and duties have been paid. This action has been taken in answer to a complaint that seized alcohol has been sold tax free in competition with houses in the trade.

Features of the proposed headquarters building of the American Pharmaceutical Association are a complete pharmaceutical library in charge of a competent pharmacist, a research laboratory and a pharmaceutical museum. About \$500,000 dollars of the required \$1,000,000 has been subscribed and \$100,000 has been actually received.

Douglas-Pectin Corp., Rochester, N. Y., has been granted a permanent injunction restraining Hood River Apple Vinegar Co., Hood River, Ore., from infringing on patents and copyrights.

Herbert Green & Co., Ltd., London, manufacturer of alcohols and ethers, have moved to 50 Pall Mall, London, S.W. 1.

DRUG AND FINE CHEMICAL SECTION

Books of Trade Interest

THE BOOK OF RECEIPTS By E. W. Lucas and H. B. Stevens. Twelfth Edition. 473 pages, 8vo. P. Blakiston's Son & Co., Philadelphia. 1924.

The formulas have been revised in most instances, and many sections have been considerably extended. The photographic formulas have been brought up to date, and the pharmaceutical and toilet sections revised in accordance with modern practice. Since the last edition, special laws have been framed dealing with dangerous drugs (Dangerous Drugs Acts, 1920 and 1923). Receipts affected by the new legislation bear the letters D.D.A. by the side of the formula.

THE SYNTHESIS OF NITROGEN RING COMPOUNDS CONTAINING A SINGLE HETERO-ATOM. By Cecil Hollins, B.Sc., with an introduction by J. B. Cohen, F.R.S. Ernest Benn, Ltd., London. 1924.

This book is a comprehensive monograph on a restricted subject which should appeal to all engaged in the synthesis of organic compounds, whether for industrial or purely academic purposes.

THE "CHEMICAL AGE" CHEMICAL DICTIONARY. Published by D. Van Nostrand Co., New York. 158 pages, 8vo., 1924.

The present dictionary is intended to be the forerunner of successive volumes, each of which will deal with the subject as it appears in its different phases. It has been compiled by experts to meet the needs of all those who have to consult original papers or modern

COLLOID CHEMISTRY. By Jerome Alexander, M.Sc., Consulting Chemist and Chemical Engineer. Illustrated. Second Edition. 198 pages, 8vo. D. Van Nostrand Co., New York.

A large number of new practical applications have been introduced, and the effort has been made to develop the subject in a simple, coherent, and interesting manner, using, as far as possible, non-technical language and homely illustrations, to interest the student in the subject.

CHININUM, or QUININE. By The Bureau For Increasing the Use of Quinine, Amsterdam. Illustrations. 132 pages, 8vo.

The book is made up of articles and reports, which deal with the use of quinine. While most of the reports were written in 1923, several dating back to earlier years, have been added.

THE ELEMENTS OF COLLOIDIAL CHEMISTRY. By Herbert Freundlich, Berlin. Translated by George Barger. With diagrams. 202 pages, 8vo. E. P. Dutton & Co., New York. 1924.

The work deals fully with the fundamental principles covering the physico-chemical foundations of colloidal chemistry, including capillary and all kinds of interfacial action and the Brownian movement, as well as colloidal-disperse systems, sols, gels, mists, smokes and foams.

CHEMICAL SYNTHESIS. By Harry Hepworth, D.Sc., F.I.C. 238 pages, 8vo. D. Van Nostrand Co., New York. 1924.

In this work the most important investigations in the domain of natural organic products have been related. A limited field of organic chemistry is covered, but this is only partially surveyed. During recent years, the study of natural organic products has attracted chemists in increasing numbers. The results already obtained have opened up almost infinite possibilities and have brought up new chemical reactions about which little is known.

Imports of drugs and medicines in Guatemala fell off 26 per cent in 1923. Imports from the United States fell from \$257,000 in 1922 to \$187,000 in 1923.

WHO'S WHO— in the Drug Industry

Samuel William Fairchild, Fairchild Bros. & Foster, New York. Born, Stratford, Conn., 1853. Mar., Emily Justine Tappen, New York, Oct. 17, 1877. Educat.: Phila. College Pharmacy, Ph.G., 1873; Ph.M., 1908; Columbia Univ., Sc.M., 1911. Business: Treas. and director of commercial dept. Fairchild Bros. & Co. Public and War Service: Pres. College of Pharmacy, City of New York, 1890-1896; vice-pres. Chamber of Commerce; trustee Poly. Med. School and Hosp.; vice-pres. Sevilla Home for Children; founder, 1904, Fairchild Scholarship for students in Pharmacy in Great Britain & Ireland; 1915 of scholarships in this country for students in pharmacy; one of the incorporators of Bronx Botanical Gardens; member, Metropolitan Museum of Art; dir., France-Amer. Soc.; vice-pres., French Inst. in U. S.; member, Sons of Revolution; Legion of Honour, France; Cross of Officer of Leopold II from King Albert, Belgium; decoration from Queen Elizabeth, Belgium; medal from French Government. Member, Clubs: Union League (N.Y.) (pres. 1911-1915), Princess Anne, Va., (pres.) Bankers (N.Y.), (Board of Gov.) Metropolitan (N.Y.), Metropolitan (Wash.), Devonshire, Eng., Travellers and L'Union Interalliee, Paris. Hobbies, hunting and fishing.

Joel Hall Foy, treas., Maltbie Chemical Co., Newark, N. J. Born, Randolph, N. Y., 1866. Mar., Emma H. Warner, Randolph, N. Y., 1889. Educat.: Common and prep. schools, N. Y. State, and Univ. Buffalo. Business: Retail drug business, 1887-89; treas. and genl. mgr., Maltbie Chem. Co., 1889 to date. Captain Officers Reserve Corps, U.S.A. Member: Many trade associations, Amer. Pharmaceutical Mfrs. Assn. (pres., 1924-25). Hobbies: Fishing, motoring, travel.

Joseph Baird Magnus, vice-pres., Magnus, Mabee & Reynard, New York. Born, New York, May 5, 1896. Mar., Norma Inez Werner, Greenwich, Conn., June 9, 1923. Educat.: N. Y. public schools; Staunton Hill Acad. Business: August Belmont & Co., 1913-14; Magnus, Mabee & Reynard, 1914-17; treas., 1917-23; vice-pres., 1923 to date. U. S. Naval Aviation Service during war. Member: Drug & Chemical Club, American Legion. Hobby: Traveling on railroads.

Henry Bacon Shattuck, vice-pres. and mgr., New York branch, Abbott Laboratories, Chicago. Born, Bridgewater, Vt., Nov. 22, 1857. Mar., Edith Hope Peacock, Nov. 12, 1902. Educat.: Vt. State Normal, 1876-79; St. Johnsbur Acad., 1879-81. Business: Retail drug business, Pittsburg, Kans., 1881-96; asst. to treas., Abbott Alkaloidal Co., 1897; bookkeeper, 1902; secy. and treas., 1905; resigned because of nervous breakdown, 1910, and re-entered Abbott Labs. as New York mgr., 1916; vice-pres., 1924; pres., Board of Educat., Pittsburg, Kans., 1890-91. Member: Salesmen's Assn., Amer. Pharmaceutical Assn., N. Y. Branch Mgrs. Club. Hobby: Fishing.

Henry Tetlow, Henry Tetlow Co., Philadelphia. Born, Phila., July 12, 1893. Mar., Katherine Sexton, Oct. 16, 1917. Educat.: Chestnut Hill Academy, Yale, B.A., 1914. Business: Henry Tetlow Co., 1914 to date. U. S. Army, 1917-19. Member: Yale Club (N.Y.), Mfrs. Club (Phila.), Yale Club (Phila.), Phila. Cricket Club, University Club.

MANUFACTURERS DISCUSS CRAMTON BILL

At meeting of the Eastern members of the American Pharmaceutical Association on Monday, Feb. 16, at the Waldorf Astoria, New York, attention was given to products liability insurance, the bonding of salesmen, the Cramton Bill, the Drug Trade Conference and the unwarranted taking of cash discounts.

The Contract Committee, which is working with the American Drug Manufacturers Association and with the Government, urged that manufacturers of powdered extracts should put on their labels a more definite assay record, and that if requested, they should furnish buyers with copies of assays on the products sold.

The annual meeting will be held in June at white Sulphur Springs, Va.

KITAGUMI CO. ENTERS MENTHOL BUSINESS

This year's percentage of menthol is only 35 per cent, a decrease of about 10 per cent from 1923, according to Kitagumi, Kawachi & Co., Kobe, Japan, who say: "The menthol market is advancing owing to manufacturers having made their purchases of materials for this year. This year's crop of oil amounts to 550,000 kin at Hokkaido and 150,000 kin at Sambu, or based on 35 per cent menthol, the equivalent of 5,500 cases menthol. Everybody expected about 50,000 kin more than was really harvested. About 50 per cent of this year's crop has already been contracted for by exporters, and about 170,000 kin of the oil has been exported. Under the circumstances we do not think the price will go below \$10 per pound, and today (Dec. 18) the price closed better than with Europe, which comes to about \$10.50 for shipment during January-March."

Chemistry teachers in high schools and colleges throughout the country are organizing to reform and harmonize their courses and bring the chemical industry closer to the classroom, according to the Committee of Chemical Education of the American Chemical Society. In some instances they are organizing in connection with branches of the American Chemical Society and in others they are organizing as branches of State teachers' associations. The chief aim of the movement is to correlate college and high school chemistry courses.

Menthol exports from Japan to various countries in 1923 reached the following totals: British India, 10,847 lbs., valued at 149,000 yen; England, 19,973 lbs., valued at 313,000 yen; France, 9,834 lbs., valued at 136,000 yen; Germany, 10,450 lbs., 150,000 yen; United States, 151,457 lbs., 2,236,000 yen; other countries, 24,868 lbs., 372,000 yen.

Victor & Hosken, New York, have obtained permission of the Treasury Department, Bureau of Internal Revenue, to use menthol manufactured by the Hoshi Pharmaceutical Co., Japan, and conforming to the U. S. P. requirements in all respects with the exception of its melting point, for denaturing alcohol.

Production of steam refined codliver oil for all of Norway up to Feb. 11 was 2,993 hectoliters, compared with 3,060 hectoliters for a like period in 1924, and the total catch of cod was 1,700,000, compared with 1,200,000 for a similar period in 1924.

William A. Conner, retired, formerly of the sales organization of Eli Lilly & Co., drug manufacturers, died at his home in Indianapolis Feb. 22 at the age of seventy one after a long illness.

The Fine Chemical Market

Current Spot Quotations for Fine Chemicals, pages 590-615

CODLIVER ACTIVE ON POOR CATCH REPORT

Shipment Named at \$31.00 bbl. c. i. f. New York—Alcohol Lower in Competition with Resale Material—Mercury Eases Off Further—Imported Soda Bromide Lower—Imported Citric and Tartaric Acids Firm—Resale Podophyllin Easier

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced (No Advances)		Declined	
Alcohol, Denatured, 2½c lb.	Mercury, \$1.06 flask		
Bromide, Imp., Sodium, 1c lb.	Podophyllin, Resale, 15c lb.		

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid	\$35	\$35	\$36	\$32	\$2.00	0.20
Acid Citric, Import .....	.46	.46	.46	.48	1.25	.45
Caffeine, Alkaloid	3.75	3.75	3.75	4.00	13.00	3.65
Calomel, American	1.37	1.37	1.22	1.10	3.43	.90
Camphor, Jap., ref. ....	.66	.66	.66	.79	3.58	.41
Iodine, Resublimed	4.65	4.63	4.65	4.40	5.00	3.75
Menthol	12.00	12.00	11.75	12.50	13.50	3.00
Potassium Bromide, Cryst. ....	.48	.48	.48	.30	4.30	.80
Quinine Sulfate, Imp. ....	.50	.50	.50	.50	.90	.25
Sodium Salicylate .....	.40	.40	.40	.40	4.25	.27
Strychnine Sulfate .....	.49½	.49½	.49½	.63	1.55	.50
Average	2.27	2.27	2.25	2.32	5.92	1.56

Movement of fine and medicinal chemicals into consuming quarters slowed down somewhat this week. While a slightly easier market exists today in regard to prices, stocks of both domestic chemicals and imported materials are on the short side, according to reports. Naturally with a let-up in demand, one pound is fully as good as a large quantity. But with any pick-up in activity, prices are likely to hold firm, and in a few instances advances might occur as the usual Spring consuming demand sets in. With high prices ruling for shipment from abroad, importers are not taking on contracts unless they have a ready outlet for their goods. Imported bromides appear to be in a slightly easier position, but prices are holding steady with exception of sodium, which is now offered at 40c per pound. A further reduction in mercury has taken place, owing to slower demand and lower prices from London, which are named at £12 10s per flask, or equivalent to \$79.50 per flask laid down in New York. Sales of imported potassium permanganate reported at 14¼c per pound in large way.

Acetanilid—In active demand at 35c@37c lb. spot as to maker and quantity. Resale quarters also quote 35c lb. Higher prices have been threatened for some time past, but as yet have not taken place.

Acetphenetidin—Makers report a quiet market at \$1.85 @ \$1.90 lb. spot as to quantity.

Acid, Acetylsalicylic—Resale quarters are naming 70c @ 72c lb. spot as to quantity, while makers quote 75c @ 80c lb. Demand steady.

Acid, Citric—Imported firm at 46c@47c lb. spot as to quantity with shipment named at 29½c lb. c. i. f. New York, and inside thereat. Importers are doing little forward business. If anything, the bulk of the sale of the imported is being done by a few hands, and the tendency has been for the small importer to keep out of the market now. Domestic, 46c@47c lb.

Acid, Diethylbarbituric—While imported is generally quoted at \$4.10@4.25 lb. spot, some importers are holding at \$4.50 lb. The change in duty has not affected the imported article, according to reports. Just as much material is being brought in as formerly. Domestic, \$8.00@9.00 lb.

Acid, Gallic—Quiet at 65c lb. spot for U. S. P. material.

Acid, Salicylic—Makers are steady at 35c lb. spot, and resale quarters name 33c lb. Japan reported taking large quantities.

Acid, Tartaric—Imported firm and active at 27½c@28c lb. spot for usual quantities, although 27c lb. is still possible in a big way. Import cost inside at 21¼c lb. c. i. f. New York. Buyers are in the market at slightly lower figures, but cannot place their orders due to firmness abroad. Domestic, 29c lb.

Alcohol—Makers have reduced their price owing to competition with resale material, and now quote 55c gal. spot for No. 1 specially denatured in barrels, and 53c gal. for No. 6 completely denatured. Consumers have taken on more contract material than they have use for, and are, therefore, letting it out at a slight concession. Then too, imported alcohol is being sold more in this market than heretofore.

Alcohol, Butyl—Firm and active at 27½c lb. works in c.l.

Aloin—Quoted at 85c@88c lb. spot, and quiet thereat.

Amidopyrine—Domestic makers adhere to \$4.60 lb. spot, while imported is inside at \$4.75 lb.

Bay Rum—St. Thomas is available at 90c@95c spot gal. as to quantity, and Porto Rican at the same figures. Domestic, 72c gal.

Bromides—Imported sodium has declined to 40c@42c lb. spot owing smaller demand; potassium, 38c lb.; and ammonium scarce at 48c lb. Present holders are becoming alarmed on the non-movement of their stocks, and present prices can undoubtedly be shaded. Domestic named at 54c lb. for ammonium; and 48c lb. for either potassium or sodium material.

Butyl Acetate—New schedule of prices is as follows: Tank car works, \$2.25 gal.; drums, \$2.27 gal.; and less quantities \$2.30 gal. Market has been strong for some time past.

Caffeine Alkaloid—Steady at \$3.75@3.85 lb. spot by makers, although resellers are quoting \$3.50 lb.

Camphor—Generally quoted at 66c@67c lb. spot for Japanese, 2½ lb. slabs with shipment named at 59c lb. c. i. f. New York. Domestic, 80c lb. in bulk.

Castor Oil—U. S. P. easy at 17½c@18½c lb. spot as to quantity.

Cocoa Butter—Bulk quoted steady at 27¾c@30c lb. as to quantity, and fingers at 35c lb.

Codliver Oil—Market firm at \$32.50@34.00 bbl. spot for Norwegian as to quantity with shipment of new oil named at \$31.00 bbl. The catch is reported small thus far, and refiners do not see any reason for low prices at the moment.

Cream Tartar—Imported firm at 21c@21¼c lb. spot, and domestic at 21¼c@21¾c lb.

Formaldehyde—Although price is unchanged at 9c lb. works in c.l. reports are heard that these prices have been shaded, but the majority of makers are inside at these figures. Carboys, 10½c lb.

Fusel Oil—Generally quoted at \$2.75@\$4.00 gal. spot as to seller.

Glycerin—C. P. firm at 19c lb. spot in drums, although some outside hands are naming less in small way. Dynamite quoted at 18½c@18¾c lb.

Guaiaacal Carbonate—Second hands easy at \$2.85@\$2.95 lb. spot with the possibility of shading these figures. First hands name \$3.00@\$3.50 lb.

Menthol—Market remains firm at \$12.00@\$12.50 lb. spot as to quantity with Feb.-Mar. shipment named at \$9.95 lb. c. i. f. New York. The short sales reported for May-July delivery have not been covered as yet, since the lowest price that has come out of Japan for some time has been \$9.25 lb. c. i. f., and this was a distressed lot of about 10 cases, according to reports. The market has been quoted from \$10.30 lb. c. i. f., and up, and to make a profit at \$10.25 lb. duty paid, \$9.00 c. i. f. ought to be inside.

Mercury—Has declined again and now quoted at \$77.00@\$78.00 flask spot owing to dull demand and easier shipment prices from London. Supplies are not plentiful in any market, but when the price commences to ease off, consumers are not inclined to buy. The price has to advance, and then it has to show an appreciable change before they will take on supplies.

Podophyllin—Resale quarters have reduced their price and now quote \$4.35@\$4.45 lb. spot as to quantity. Demand has been small, with tendency to accumulation. Makers name \$4.75@\$5.00 lb.

Saccharin—In fair demand at \$1.75@1.85 lb. spot as to quantity.

Sodium Benzoate—Demand on increase at 62c@64c lb. spot from makers, and 61c@62c lb. from resale quarters.

Potassium Permanganate—Imported generally quoted at 14½c@15c lb. spot as to seller. Sales have been put through last week at 14¼cents lb. and this same seller intimated that better could now be done. Domestic named at 15c@16c lb. f. o. b. New York.

The International Opium Conference which closed last week at Geneva, drew up an anti-narcotic convention a protocol and a series of resolutions which were signed by Australia, Belgium, Great Britain, Greece, Japan, Luxembourg, Holland, Persia, Portugal and Siam. They provide for the appointment of a Central Board to control the narcotic traffic, to be appointed by the League of Nations Council, the United States and Germany being invited to participate in the appointment.

Limit of sales of medicines containing heroin to doctor's prescription, local option among the nations with regards to the control of the sale of laudanum, and the withdrawal of the Chinese delegation were last week's developments in the International Opium Conference at Geneva.

Chicago Drug and Chemical Association will hold its regular monthly meeting and luncheon, on Feb. 26 when the club will be addressed by Ralph E. Heilman, Dean of the School of Commerce, Northwestern University on the subject "Government and Business."

Parke, Davis & Co., are building a seven-story structure at the corner of St. Alexander and Carmichael sts., Montreal, Canada. The three-story building which occupied the site was demolished in two and a half days.

E. I. du Pont de Nemours is experimenting at a temporary plant at Ocean City, Md., with a view to determining the practicability of obtaining bromine commercially from sea water.

Otto P. Meyers, formerly western sales manager of E. R. Squibb & Sons, has been appointed field supervisor of the detail staff.

PEPPERMINT OIL JUMPS AGAIN IN LONDON

Japanese Mint Oil, Hydrastis and Turpentine Also Advance—Quotations firmer on Benzoic Acid, Piments and Benzol—Prices Lower for Mercury, Linseed Oil and Cocaine.

(Special Cable to Drug & Chemical Markets)

London, Feb. 25—Higher prices are announced for American peppermint oil, Japanese mint oil, hydrastis and turpentine. The market is firmer on benzoic acid, pimento and benzol.

Quotations are easier on carbolic acid, ammonium bromide, potassium bromide and oil camphor.

Lower prices have been named on mercury, linseed oil, chloral hydrate, cocaine and shellac.

London, Feb. 14 (By Mail)—Business in American peppermint oil has been done on spot up to 48s6d per lb., but sellers are now holding out for 50s to 52s at which the market closed firm.

Japanese Mint Oil—is scarcely steady at 17s 6d to 18s per lb. on spot; present shipment to March 13s 6d per lb. c.i.f. Several disputes have arisen concerning one brand on account of objectionable odour and lower optical rotation, and awards have gone in buyers' favor. All purchases for shipment should be accompanied by analysis.

Castor Oil, both British and foreign has suddenly advanced by 2s per cwt., Belgian being 73s per cwt. and English 74s for finest pharmaceutical in barrels.

Codliver Oil—Latest cable advices report further stormy weather on the Northern Coast which is seriously interfering with the opening catch. About 124s is now asked c.i.f. London. For new (1925) oil some orders have been placed at 130s., c.i.f., per bbl. for March, April, but buyers here are looking on at the moment. On the other hand spot supplies are getting low and as much as 132s 6d per barrel has been paid.

Tragacanth has advanced about £4 per cwt. this week and lowest prices at the close are for Firsts £30.; Seconds £26. to £27. 10s per cwt.

When Eastman Kodak Co. holds its annual meeting in Jersey City, April 7, amendments to the by-laws of the company will be brought up which will enable them to elect George Eastman chairman of the board of directors, William G. Stuber president, and Frank L. Lovejoy general manager. The purpose of this change is to divide the duties and to recognize the active parts played in the development of the organization by Stuber and Lovejoy.

The Chandler medal for distinguished achievement in science was awarded Dr. E. C. Kendall, head of the Chemical Section of the Mayo Foundation for Medical Education and Research, University of Minnesota at Columbia University, last week. Dr. Kendall delivered an address on "The Influence of the Thyroid Gland on Oxidation of Animal Organisms."

Drug and Chemical Club, New York, at its annual meeting, Feb. 19, elected the following Board of Governors for the term ending February, 1928; Arthur S. Somers, George V. Sheffield, Bernard M. Culver, James W. McCulloch, Charles R. Perkins and Louis F. Burke.

In the announcement of the appointment of Dickinson & Co. as representatives for E. Atkins & Co., the territory covered was indicated as extending in New Jersey south of Trenton. This should have read "south to Trenton."

Garfield & Co., manufacturers of Seidlitz Powders, have moved to larger quarters at 3608 to 3620 Par kave., New York.

The Crude Drug Market

Current Spot Quotations for Crude Drugs, pages 612-617

LYCOPodium EASIER OWING TO PRESSURE

Demand Slow and Replacements Lower—Ergot Easier—Golden Seal Root Higher on Scarcity—Mullein Flowers Active—Althea Cuts Higher—Spanish Saffron in Keen Competition—Senega Root Easier—Cardamoms Scarce.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Althea Root, Cuts, 3c lb.	Fumigating Pastilles, Red, 1c lb.	Celery Seed, 1c lb.	Japan Wax, ½c lb.
Balsams, Copaiba, Para, 5c lb.	Golden Seal Root, Whole, 10c lb.	Cloves, Zanzibar, ½c lb.	Lycopodium, 5c lb.
South American, 7c lb.	Mullein Flowers, 10c lb.	Ergot, 2c lb.	Saffron Flowers, Span., \$1.00 lb.
Buckthorn Bark, 1c lb.	Saw Palmetto Berries, ½c lb.		

Trend of the Market

	Last	Last	Last	War	Pre-
	Today	Week	Month	Year	Peak
Aconite Root, USP.....	.33	.33	.33	.50	.90
Buchu Leaves, Short.....	.80	.80	.76	.72	4.00
Cantharides, Russian.....	.85	.85	.85	1.10	9.00
Cocculus Indicus.....	.10	.08½	.08¼	.03½	.85
Ergot, Spanish.....	.53	.55	.50	.35	4.50
Insect Powder, pure.....	.38	.38	.40	.66	1.00
Ipecac, Cartagena, Powd....	2.50	2.50	2.40	2.10	4.50
Nux Vomica.....	.05	.05	.05	.05	.14½
Opium gum.....	12.00	12.00	12.00	9.00	30.00
Rhubarb Root, H. D.....	.33	.33	.33	.31	1.75
Tragacanth, No. 1, ribbon..	1.20	1.15	1.15	1.30	6.00
Wild Cherry Bk., thin nat..	.09	.08½	.08¼	.13	.21
Average.....	1.58	1.58	1.56	1.36	5.28

An easing off in shipment prices of foreign botanicals was the outstanding feature of the crude drug market. At the high prices importers showed little interest, and buyers did not place large orders. Quotations on crude drugs will stand slight reductions, but importers will probably not allow the market to drop too sharply if they can prevent. The high prices, which have ruled for some time, have resulted in importers keeping their stocks to a minimum. Under these conditions scarcities have been developing daily, and a few of these scarce items will not be replenished for about two weeks more. While spot prices of Coast products are holding fairly firm, the primary market is becoming over-stocked and offerings are now more attractive to buyers. Buckthorn bark has been in active demand and prices now are inside at 7c per pound. Japan wax has eased off under pressure to sell. Ergot is still weak in spite of its strong statistical position.

Aconite Root—Demand routine only at 33c@35c lb. spot, and leaves at 10c@12c lb.

Agar Agar—Spot supplies scarce owing to slow arrival of goods from the Far East. No. 1 quoted at \$1.75@ \$1.85 lb. spot, and No. 3 at \$1.55 lb. with shipments unchanged over last week.

Aletris Root—While goods are still obtainable at 40c lb. spot, some dealers are inside at 42c lb.

Aloes—Curacao held at 10c@11c lb. spot as to quantity. Last week 270 cases were imported at New York. Imports during the last two months have been heavy, but the present market does not appear to be weakened due to these arrivals. Cape, 8½c@9c lb. Exports from

Union South Africa during October 1924 were 47,241 pounds, valued at £431, compared with 139,085 pounds, valued at £1,061, for a like period in 1923.

Althea Root—Cuts higher at 45c@50c lb. spot owing to scarcity, and whole at 22c@24c lb.

Anise Seed—Spanish remains steady at 14¾c@15c lb. spot as to quantity, and Star at 12½c@13c lb.

Arabic Gum—Amber sorts steady at 13¾c@13½c lb. spot as to quantity. Textile mills are reported buying in larger volume.

Areca Nuts—Spot slow at 17½c@18½c lb. as to seller. London is quoting 70s per cwt. (112 lbs.)

Argols—Red active at 5½c@6½c lb. spot as to quantity.

Balsams—Copaiba, Para, higher at 55c@75c lb. spot as to quantity owing to scarcity, and South American also firmer at 60c@62c lb. Canadian Fir easy at \$10.75@ \$11.00 gal. spot, and Oregon Fir also in good supply at 95c@1.00 gal.

Belladonna Leaves—Generally quoted at 25c@26c lb. spot although some outside lots are still available at 24c lb. Root firm at 17c@18c lb.

Blackhaw Bark—Root steady at 33c@34c lb. spot, and tree at 15c@16c lb.

Borage Flowers—In small demand at the moment at 17c@20c lb. spot as to seller and quality.

Buchu Leaves—Generally named at 80c@82c lb. spot for bales, and 86c@88c lb. for less. Exports from Union of South Africa during October 1924 were 6,587 pounds, valued at £796, compared with 6,884 pounds, valued at £867, for a like period in 1923, and exports for the ten months ended Oct. 31, 1924 were 141,038 pounds, valued at £16,676, compared with 164,089 pounds, valued at £20,407, for a like period in 1923.

Buckthorn Root—Higher and active at 7c@8c lb. spot. Spot supplies materially reduced.

Burgundy Pitch—Imported higher at 10c@11c lb. spot.

Candelilla Wax—Firm and active at 30c@32c lb.

Caraway Seed—Dutch steady at 9½c@10c lb. spot, and African at 9c@10c lb.

Cardamom Seed—Bleached nominal at \$2.50@\$2.70 lb. with arrivals in about two weeks at \$2.50 lb. Decorticated also firm at \$2.25@\$2.40 lb. and green grinding at \$1.60@\$1.70 lb.

Cascara Sagrada—Spot steady at 14c@15c lb. as to quantity, while shipment is offered more freely at 10½c lb. f.o.b. Coast, and up.

Celery Seed—Slightly lower at 33c@35c lb. spot due to slow demand. Statistical position remains strong, however.

Chamomile Flowers—Sellers name 18c@20c lb. spot for Roman, and firm thereat. Hungarian, 7½@8c lb.

Cinchona Bark—Quills firm and active at 60c@62c lb. spot, and broken at 28c@29c lb.

Cloves—Zanzibar lower at 25½c@26c lb. spot as to quantity. Reports are heard that present stocks in Zanzibar amount to 55,000 bales.

Dandelion Root—Easy at 21c@22c lb. spot as to qual-

ity with shipment fairly steady at 17c lb. c.i.f. New York.

Ergot—Lower at 53c@55c lb. spot as to quality due to small demand and an easier primary market.

Fish Berries—Higher owing to scarcity, and now quoted at 10c@12c lb. spot as to quantity. Recent arrivals have been fairly depleted.

Golden Seal Root—Higher at \$4.10@\$4.15 lb. spot for whole, \$4.20@\$4.30 for powdered material owing to scarcity in the Northwest, and active demand for export.

Rumigating Pastilles—Red higher at 18c@19c lb. spot.

Hydrangea Root—In fair demand at 9c@10c lb. spot as to quantity.

Insect Powder—Importers name 38c@42c lb. spot with tendency for higher prices for shipment. The recent large import business has probably caused exporters in Japan to advance their price.

Ipecac Root—Cartagena, whole, firm and scarce at \$2.25@2.35 lb. spot, and powdered at \$2.50@\$2.60 lb. Sales have been made at the inside figure. Rio, \$2.20@\$2.30 lb. spot for the whole, and \$2.50@\$2.60 lb. for the powdered.

Japan Wax—Lower at 15c@16c lb. spot. Market dull.

Larkspur Seed—Scarce at \$3.25@\$3.50 lb. spot as to seller.

Lycopodium—Easier at 75c@80c lb. spot owing to slow demand, and lower import costs.

Mullein Flowers—Higher at \$1.00@\$1.10 lb. spot as to quantity. Demand active, and competition lessened.

Sabadilla Seed—Firm and active at 13½c@15c lb. spot, and powdered material at 19c@20c lb.

Saffron Flowers—Spanish easier at \$39.00@\$40.00 lb. spot as to quantity owing to keener competition among holders.

Saw Palmetto Berries—Higher and active at 9c@9½c lb. spot.

Senega Root—Easy at 57c@59c lb. spot. London quotes 2s. 7d. per pound.

Exports of kauri gum from New Zealand during November were 269 tons, valued at £27,081, of which the United States received 172 tons, and Great Britain 63 tons, and production up to Dec. 18 was 188 tons, according to George H. Lincks, New York, broker in varnish gums.

Charles S. Littell, president of C. S. Littell & Co., New York, druggists, and associated with the drug trade for over fifty years, has resigned as president and will retire from all active participation in the business after the annual meeting in March.

A revision of the registration procedure under the Narcotic Act has been sent to collectors by Commissioner of Internal Revenue Blair. The changes relate to "references" required from applicants for permits to handle narcotics, and the forms to be used.

A treaty with Canada to extradite all persons connected with the illegal sale of narcotics, was favorably reported last week by the U. S. Senate Foreign Relations Committee.

Opium valued at \$1,250,000 and evidence implicating several high Chinese officials and foreign firms in a plot for opium smuggling, were seized in a police raid in Shanghai.

CARTAGENA IPECAC INSIDE AT \$2.25 LB.

Cartagena ipecac has advanced to \$2.25 per pound spot owing to scarcity and higher shipment prices, which are quoted at \$2.15 ptr pound, an advance of 15c per pound over last quotation. The lowest for the year was \$1.75 per pound c.i.f. New York, although one small lot was picked up at \$1.65 per pound due to an error in exchange rates. The recent revolution in Brazil hindered the gathering of the root. The effect of the revolution on prices was not felt until about two months after peace was declared, at which time shipment prices advanced sharply owing to scarcity. Small lots only have been coming up from South America, and at no time has the spot market been heavily stocked.

Few first hands on ipecac among crude drug dealers exist; the bulk of goods are imported by produce merchants as a side line. Under these conditions, drug houses carry small stocks with the result that prices are more liable to fluctuate, because they depend upon orders, and not so much on stock. A sale of 500 pounds of Rio was made recently at \$2.20 per pound, which was reported as cleaning out spot stocks. Consumers, however, have attempted to bear the market by saying they bought 3,500 pounds at \$2 per pound. If these stocks existed in New York three weeks ago, dealers and brokers say, it must have been under cover. One dealer has been obtaining a better price for his product owing to its higher emetine content, which tested as high as 2.13 per cent, compared with United States Department or Agriculture requirement of 1.75 per cent.

Cost of production of opium per hectare in Macedonia is 5,000 dinars (£16 17s), according to the "Times Commercial Supplement," which says: "Efforts are being made to sell outside of Macedonia in order to avoid the almost monopolistic control by the opium traders of Salonika. Before the war production amounted to about 360,000 pounds, but since that time the cultivation has declined about 75 per cent. A French company has purchased about 500 acres for exploitation. Macedonian opium is not used for smoking, and producers feel that the cultivation should be allowed, but if necessary, controlled, both as to production and sale."

Exports of crude drugs, herbs, leaves and roots in 1924, which advanced 14 per cent over 1923 to a total of \$4,040,109, were only one-half the imports, which showed a drop of 7 per cent. One of the important import items in this class, pyrethrum flowers, improved from 2,973,863 pounds, valued at \$1,397,910, in 1923, to 3,945,101 pounds, valued at \$1,603,764, in 1924. Although slightly more licorice root, 339,378 pounds, was received in 1923 than in 1924, the value dropped \$470,129 to \$1,889,955.

Druggists are not to be held responsible for investigation of applications for liquor when accompanied by a physician's prescription, according to a decision rendered by Judge Robert A. Inch, of the Federal Court in Brooklyn. Assistant Federal Attorney Howard Osterhout characterizes the decision as a carte-blanche to dishonest druggists and physicians to violate the Volstead Act with impunity.

"India is not the source, direct or indirect, of opium drugs consumed in America", said Lord Olivier, secretary for India in the recent government, in refuting statements freely made to that effect. He further stated that the Indian opium was not of sufficient strength to be used in the production of these drugs which are manufactured from Persian, Turkish and Chinese opium.

The Essential Oil Market

Current Spot Quotations of Essential Oils, pages 617-618; Aromatic Chemicals, 618

ITALIAN OIL ORANGE HIGHER AT \$2.80 LB.

Cheaper Goods Now Afloat—Oil Lemon Firm and Scarce—Oil Limes Expressed Again Higher—Oil Geranium, Bourbon, Lower—Ceylon Oil Citronella Easy, Java Firm—Oil Spearmint Higher.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Oil Limes, Expressed, 25c lb.	Oil Peppermint, Natural, 50c lb.		
Oil Orange, Italian, 5c lb.	Redistilled, 50c lb.		
American, Distilled, 20c lb.	Oil Spearmint, 35c lb.		
Oil Caraway, 5c lb.		Oil Geranium, Bourbon, 50c lb.	
Oil Cloves, 5c lb.		Algerian, 50c lb.	

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Bergamot	\$3.65	\$3.65	\$3.45	\$3.00	\$7.00	\$5.00
Oil Citronella, Ceylon	.73	.74	.74	.75	1.02	.60
Oil Cloves	1.85	1.90	2.00	2.30	3.70	1.40
Oil Lemon, Italian	.96	.98	.97½	.80	1.70	2.00
Oil Peppermint, Nat.	15.00	14.50	11.00	3.60	9.00	2.25
Oil Sandalwood, E. I.	7.25	7.25	7.25	6.75	14.00	5.25
Oil Sassafras, Artif.	.35	.35	.35	.37	1.00	.26
Benzaldehyde, U.S.P.	1.50	1.50	1.50	1.50	5.15	1.50
Coumarin	3.25	3.25	3.25	3.85	31.00	3.10
Methyl Salicylate, Cans.	.47	.47	.47	.47	1.00	.90
Vanillin	.49½	.49½	.49½	.54½	.95	.20
Average	3.11	3.08	2.86	2.18	6.83	2.05

Higher prices in the primary markets have resulted in curtailed buying, by importers, and the trade believes that arrivals of essential oils will be somewhat smaller during the next two months. However, some cheap and fair quantities of Messina essences have been bought at 60c per pound for lemon and \$2.00 per pound for orange, and these no doubt will have a depressing effect on the spot market when they arrive. Nevertheless, the spot market is firm and stocks are none too plentiful, excepting in oil caraway. Consuming demand is active one day and dull the next. The slowness in buying has not been of sufficient length to cause any worry among sellers. They feel that their products are fully worth all that they are asking in view of high cost of the material. Oil peppermint is higher on spot due to firmer position in the country. One seller on spot has made sales at \$16.00 per pound for the natural oil. The trade believes that the question is: Have you the goods? If so, one is able to name his price. Oil spearmint has advanced in sympathy with higher prices for oil peppermint.

Essential Oils

Oil Almond—Fair movement in sweet has been reported at 80c@85c lb., spot as to quantity. Bitter f.i.p.a. named at \$3.25@3.50 lb. spot, and U. S. P. at \$3.15@3.25 lb.

Oil Amber—Crude in small demand at 70c@75c lb. spot, and rectified 85c@90c lb.

Oil Anise—Spot market is unchanged at 60c@62c lb. for U. S. P. and 55c lb. for technical material. Import demand has been fairly active. Imports at New York last week were 39 drums. Some dealers look for an easier market, but stocks are said to be small, excluding this last arrival.

Oil Bay—In active demand at \$2.20@2.30 lb. spot as to quantity. Some fair import business reported.

Oil Bergamot—Coppers quoted at \$3.65@4.00 lb. spot

with shipment named at \$3.65 lb. c.i.f. New York, and up as to brand. Some active business transacted between dealers last week. London quotes 15s. 6d. per pound. Imports at New York last week were 144 cases.

Oil Bois de Rose—Holders are firm at \$4.75@5.00 lb. spot as to quantity with replacements about equal to these figures.

Oil Calamus—Quiet at \$3.75@4.00 lb. spot as to quality.

Oil Cananga—Holders on spot name \$2.20@2.30 lb., for native, and \$2.65@3.00 lb. for rectified material.

Oil Caraway—Has declined again and now quoted at \$2.40@2.50 lb. spot as to quantity with replacement below these figures. Even at the cheaper import costs, importers are not interested in buying at the moment.

Oil Cardamom—Firm and active at \$41.00@42.00 lb. spot as to quantity.

Oil Cassia—Redistilled has declined and now quoted at \$2.40@2.50 lb. spot as to quantity, and natural at \$1.95@2.05 lb. with shipment named at \$1.85 lb. c.i.f., and up. Imports last week at New York were 35 drums and 25 cases. Holders of spot supplies are not anxious to push sales due to the firm market in Hongkong.

Oil Cedar Leaf—In steady demand at 85c@95c lb. spot as to quantity.

Oil Cedar Wood—Market is slightly easier at 70c@75c lb. spot as to quantity. Contract material is coming in the market, and is going into consumption very slowly.

Oil Cinnamon—Ceylon steady at \$10.50@11.00 lb. spot as to quantity.

Oil Citronella—Ceylon easy at 73c@80c lb. spot in drums as to seller, and 76c@83c lb. in tins. Replacements are above this market, but supplies on spot are ample for present needs. Java firm at \$1.30@1.40 lb. spot in spite of rumors that importers have been offering on spot at \$1.00 lb. Shipment ranges from \$1.20 lb. for nearby position up to 90c lb. for distant futures.

Oil Cloves—Have eased off further, and now quoted at \$1.85@1.95 lb. spot in cans, and \$1.95@2.05 lb. for bottles.

Oil Coriander—Easy at \$10.00@10.50 lb. spot as to quantity.

Oil Erigeron—Market firm, although little business reported. Quoted at \$3.75@4.00 lb. spot.

Oil Eucalyptus—Drums easy at 55c@57c lb. spot, and cases at 58c@60c lb.

Oil Geranium—Bourbon has declined to \$5.75@6.25 lb. spot as to quality owing to cheaper offerings from France. Algerian also easier at \$6.25@6.75 lb. New crop Algerian oil is offered at 25s. to 26s. per pound delivered for Mar.-May shipment.

Oil Lemon—Italian firm on spot at 98c@1.20 lb. with shipment inside at 73c lb. up to 78c lb. c.i.f. New York as to brand. At these high prices, little buying has been going on. Some cheap goods are now afloat, and when they arrive, the market ought to be better supplied, as they are reported unsold. American, 85c@90c lb.

Oil Limes—Distilled again higher at \$4.25@4.50 lb. spot owing to scarcity, and higher shipment prices. Distilled named at \$1.75@2.00 lb.

Oil Orange—Italian higher at \$2.80@\$3.00 lb. spot as to brand owing to firmer primary market and strength on spot. West Indian, \$2.65@\$2.70 lb., and American at \$2.75@\$2.80 lb.

Oil Peppermint—Natural has advanced again, and now quoted at \$15.00@\$15.50 lb. spot for natural, and \$15.50 @\$16.00 lb. for redistilled with the country naming \$14.75 lb. Supplies are becoming more scarce, and dealers are trading in cans only.

Oil Sandalwood—Steady at \$7.25@\$7.40 lb. spot as to seller and quantity.

Oil Spearmint—Higher at \$4.85@\$5.00 lb. spot owing to firmer replacement costs.

Oil Wormseed—Firm at \$3.25@\$3.35 lb. spot with the possibility of higher prices owing to strength in the country.

Balsams

Peru—Steady at \$1.90@\$2.00lb. spot as to quantity.

Tolu—Slightly firmer at \$1.60@\$1.70lb. spot as to quantity. London reported buying in a small way in this market.

Vanilla Beans

Bourbon—Market firm at \$11.00@\$13.00lb. spot, and quality.

Mexican—Whole firm at \$11.00@\$13.00lb. spot, and cuts at \$9.50@\$10.00lb. Reports are heard that 500 pounds of vanilla beans were offered in the trade at a very low figure, and have caused a suspicion that these are from the lot that was stolen some time ago from one of the warehouses of one of the leading vanilla bean sellers.

Aromatic Chemicals

Benzaldehyde—Steady at \$1.40@\$1.50lb., spot for U. S. P. material, and \$1.50@\$1.65lb., for FFC goods.

Coumarin—In active demand at \$3.25@\$3.45lb., spot from makers.

Musk Ambrette—While spot prices are named at \$10.50@\$11.00lb., one of the leading importers is contemplating lowering his prices.

Musk Ketone—Steady at \$11.50@\$12.00lb., spot.

Vanillin—Makers are firm at 49½¢@51¢ oz., spot, and resale quarters at 47¢ oz.

Production of Java oil citronella during 1924 is estimated at 530 tons, compared with 477 tons in 1923, 434 tons in 1922, 283 tons in 1921, and 434 tons in 1920, according to R. C. Treatt & Co., London. Ceylon production during 1924 is estimated at 625 tons, compared with 499 tons in 1923, 591 tons in 1922, 547 tons in 1921, and 453 tons in 1920.

The United States sent \$48,232 worth of perfumes and toilet preparations to Honduras in 1923, an increase of \$3,151 over 1922. Talcum made the largest expansion, recording an increase of almost 100 per cent.

P. R. Dreyer, New York, essential oil importer, returned last week from a five weeks' trip through the Middle West. He says that soap makers are doing only a fair business.

William H. Brown & Bro. Co., Baltimore, manufacturers of perfumes at 830 North Howard st., has increased its capital stock from \$15,000 to \$100,000.

American Perfumers' Laboratories, Inc., New York, has opened an office at 112 West Ohio st., Chicago. The company will be represented by W. M. Francke.

U. S. PERFUMES POPULAR IN CUBA

The use of powders, rouges, cosmetics, creams and perfumes is almost universal among Cuban women and the men are also much addicted to the use of toilet preparations. In the case of cosmetics and perfumery, United States supplies about one half the Cuban demand, but French preparations exceed the American in aggregate value, owing to the relatively greater expense of French perfumes. Lloyd A. Nolan, Chemical Division, U. S. Bureau of Commerce, ranges the items of this group in the following order of importance in the Cuban trade: Dentifrices, talcum, and toilet powders, creams, rouges and cosmetics, toilet preparations, perfumery, and toilet waters. Imports from the United States amounted to \$793,076 in 1923, an increase of more than 35 per cent over the figures for 1922.

OIL BERGAMOT MANUFACTURE EXPLAINED

Bergamot fruit is brought to pressing plants and sorted by sizes and qualities about the last of December, when the fruit is ripe, according to Bergamot Pure Essence Export Co., New York, who have received the following letter from their principals in Italy: "The fruit is thoroughly cleaned before being placed in a rotary press, which is operated under very low pressure in order that only essence from the skin, and not the pulp or juice, may be secured. This is later filtered and inspected by the company's own chemist and by Government chemists. The fruit, together with the culls and decayed fruit, is then repressed, the oil obtained from this second pressing being termed bergamotella. This is sold locally and is used by some firms as an adulterant of their oil. The adulterated oil frequently comes into the American market, and is the reason largely for the fact that oil is often sold in New York below the cost of producing pure oil in Italy."

Panama imported \$97,728 worth of perfumery and perfumed lotions in 1922, of which France supplied 71 per cent and the United States 14. Lloyd A. Nolan, of the Department of Commerce, reports that in 1923 the United States sent perfumery and toilet preparations to Panama amounting to \$108,180, a slight increase over the figures for 1922.

United States Board of General Appraisers has upheld the protest of American Shipping Co. that "Pinelyptus" is assessable at 20 per cent. ad valorem under paragraph 1459 of the tariff act of 1922 as a non-enumerated manufactured article instead of at 40 cents a pound and 50 per cent. ad valorem as a combination of essential oils under paragraph 61.

Essential oil imports in Hongkong in 1923 reached a value of £67,988 in 1923, an increase of approximately 20 per cent over the figures for 1922, according to Lloyd A. Nolan, Chemical Division, Department of Commerce. The United States' share was valued at £1,235.

Receipts of perfumery and cosmetics into Hongkong in 1923 were valued at £88,859, an increase of 33 per cent over the previous year. America holds an important place in this field, supplying about 50 per cent of the material.

W. J. Bush & Co., Ltd., manufacturing chemists, Montreal, have purchased a seven-story building at 10 St. Helen st., and will move to the location in March.

American Manufacturers of Toilet Articles will hold their annual meeting at the Hotel Biltmore, New York, on April 21 to 23, inclusive.

Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: Chemicals, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids and miscellaneous products; Crude Drugs, Essential Oils, including cleoresins; Fatty Oils, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; Tanning and Dye Extracts, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical products are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan District,

f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20	American Gallons
1 American Gallon	— .833	Imperial Gallon
1 American Gallon	—3.79	Liters
1 Liter	— .264	American Gallon
1 American Gallon (Water)	—8.35	Pounds
1 Pound (Avoirdupois)	— .454	Kilogram
1 Kilogram	—2.20	Pounds

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Chemicals

ACETANILID, tech. 150 lb bbls...	.28	: .28
100 lb kgs.	.27	: .30
USP, 200 lb bbls.	.35	: .37
Second Hands	.35	: .36
Acetic Anhydride		
85-89%, 107 lb chys.	.38	: .40
90-95%, 100 lb chys.	.41	: .45
CP, 100 lb chys.	.75	: .80
Acetone, CP 700 lb dra. c/l wks.		: .10 3/4
700 lb dra. 1/2 l wks.	.11	: .11 3/4
350 lb dra. 1/2 l wks.		: .12
Tank cars, wks.		: .10
Acetone, 50 gal. drums		: .37 1/2
Acetone Oils, light, dra. wks.	1.40	: 1.45
Heavy, dra. wks.	1.40	: 1.45
Acetophenetidin, 150 lb bbls.	1.80	: 1.90
Acetyl Chloride, 100 lb chys.	.33	: .35
ACID, 1, 2, 4, 250 lb bbls.		: 1.30
Acetic, 28%, 400 lb bbls. c/l wks.		: 3.12
28%, 1/2 l wks.		: 3.37
50%, c/l wks.		: 5.85
56%, 1/2 l wks.		: 6.10
70% bbls., c/l wks.		: 7.20
70% 1/2 l wks.		: 7.45
80% coml. bbls. c/l wks.		: 8.19
80% coml. 1/2 l wks.		: 8.44
80% pure bbls., c/l wks.		: 9.08
80% pure 1/2 l wks.		: 10.23
Glacial, bbls. c/l wks.		: 11.01
Glacial, 1/2 l wks.		: 11.26
Glacial, USP chys. wks.		: 11.76
Acetylaldehyde, 220 lb bbls.	.75	: .80
Second Hands	.70	: .72
Anthranilic, tech. dra.		: .94
99-100%, 100 lb dra.		: 1.00
Benzoic, tech. 100 lb bbls.		: .85
Tech. ton lots bbls.		: .80
USP, 100 lb bbls.	.70	: .72
Second Hands	.70	: .75
Boric, crys. powd. 250 lb bbls.		: .09 1/2
Kegs, 100 lb	.10	: .10 3/4
Bromine's 250 lb bbls.		: 1.25

ACID		
Butyric, 80% pure 5 lb bot.	.55	: .60
90%	.70	: .75
C.P. 10 lb bot.	1.25	: 1.50
Camphoric USP, VIII 1 lb bot.	5.50	: 5.70
Carbolic, LSP crys. see also Phenol		
112 lb tins	.26	: .27
25 lb tins	.28	: .29
5 lb tins or bot.	.30	: .32
1 lb bot.	.35	: .36
Liquid USP, 1 lb bot.	.34	: .35
Crude, 35% 50 gal. bbls. gal	.33	: .35
10%, 50 gal. bbls. gal	.27	: .30
Carbonic, see Carbon Dioxide		
Chloroacetic		
mono 100 lb bbls. wks.		: .25
DI, 150 lb chys. wks.		: 1.00
Tri, 425 lb bbls. wks.		: 2.50
Chloroacetic, 1500 lb dra		
wks.	.15	: .16
Chromic, USP, 200 lb drums.		: .87
85% Pure, 200 lb drums.		: .85
Chromotropic, 300 lb bbls.		: 1.35
Chrysarobin, see Chrysarobin		
Cinnamic, 5 lb cans	3.25	: 3.50
CITRIC, USP crys. 230 lb bbls.		: .46
Powd., USP, 200 lb bbls.		: .47
Imported, crys. 112 lb kgs.	.46	: .46 1/2
Single kgs		: .47
Cleves, 250 lb bbls.	.95	: .97
Cresylic, 95% dark dr. NY. gal	.55	: .60
97-99% pale, dr. NY. gal	.60	: .65
Crude, spot, drums		: .
Diethylbarbituric, Dom., 25 lb lots		
1 lb bot.	8.00	: 9.00
Imn., 10 lb lots	4.10	: 4.25
Formic, 85% tech. 140 lb chys.	.10	: .10 1/2
90%, 80 lb chys. incl.	.10 1/2	: .11
Gellic, USP, 150 lb bbls.		: .65
Gamma, 225 lb bbls., wks.	1.40	: 1.50
Glycerophosphoric, 25% 1 lb b.	1.85	: 1.95
R 225 lb bbls., wks.	.88	: .74
Hydrolic, 10% USP 5 lb bot.	.65	: .70

ACID (Cont.)		
Hydrobromic, 48% coml. 155 lb chys. wks.	.45	: .48
48% coml. 10 crys. wks.		: .45
40% USP 155 lb chys. wks.		: .55
10% USP 100 lb chys. wks.		: .13
Hydrochloric, see also Acid Muriatic CP, USP, 110 lb chys.	.07	: .08
Hydrocyanic, wks., cyl.		: 1.25
HYDROFLUORIC, 30% 400 lb bbls. wks.		: .07
30% bbls. c/l wks.		: .06
30% 100 lb chys. wks.		: .07
48% single 100 lb chys. wks.		: .11
48% 10 chys. wks.		: .10
52% 100 lb chys. wks.		: .14
52% 10 chys. wks.		: .11
60% 100 lb chys. wks.		: .14
60% 300 lb dr., wks.		: .13
White Acid, 100 lb chys. wks.		: .26
White Acid, 10 chys. wks.		: .25
Hydrofluosilicic, 35% 450 lb bbls. wks.	.10	: .12
Hypophosphorous, USP 30% 5 gal. dems.		: .35
USP, 10% 5 gal. dems.		: .36
LACTIC, 22% dark 500 lb bbls.	.05 1/2	: .06
22% light, bbls.	.06 1/2	: .07
44% dark, bbls.	.11	: .12
44% light, bbls.	.13	: .13 1/2
66% dark, bbls.	.18	: .18 1/2
66% light, bbls.	.26	: .27
USP, IX 100 lb chys.		: .70
USP, VIII 100 lb bbls.		: .59
Laurent's, 250 lb bbls.		: .90
Metanilic, 250 lb bbls.	.60	: .65
Mixed, sulfuric-nitric		
Drums, wks.	.N Unit	: .07 1/2
Drums, wks.	.8 Unit	: .01 1/2
Tank cars, wks.	.N Unit	: .06
Tank cars, wks.	.8 Unit	: .008
Molybdic, 85% pure 100 lb kgs.	1.35	: 1.60
2.00	: 2.10	
Monosulfonic F, Delta, 50 lb tins	1.80	: 2.00

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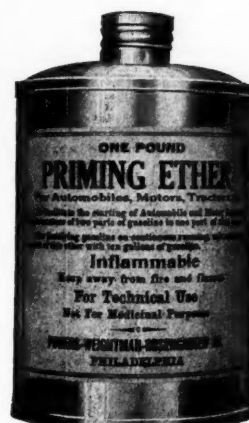
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Chemicals

ACID

MURIATIC, 20° chya. 1c/l		
wks.100b	1.80	1.75
Chya. c/l wks.100b		1.35
Tank cars, wks.100b		1.00
18°, 120b chya.		
c/l wks. ....100b		1.25
Tank cars, wks. ....net ton		
23°, 120b chya.		
c/l wks. ....100b		1.85
Muriatic, CP & USP, see Acid Hydrochloric		
Naphthionic, tech. 250b bbls. D	.55	.59
Refined, single bbls. ....D		.62
Nertie & Winther's, 250b bbls.		
bbls. ....D	1.00	1.05
NITRIC, 36°, 135b		
Chya. 1c/l wks. ....100b	4.75	5.00
Chya. c/l wks. ....100b	4.50	4.75
38° 1c/l chya. wks. ....100b	5.25	5.75
Chya., c/l wks. ....100b	5.00	5.25
40° 1c/l chya. wks. ....100b	5.75	6.00
Chya., c/l wks. ....100b	5.50	5.75
42° 1c/l chya., wks. ....100b	6.25	6.75
Chya., c/l wks. ....100b	6.00	6.25
C. P. chya. single wks. ....100b	.12	.13
Oxalic, 300b bbls., wks. ....D		.11
Bbls., NY ....D		.11
Keps, 100b NY ....D	.10%	.11%
Imp., 500b casks ....D	.10%	.11
Phenylchlorosulfonic, domestic ..D	9.20	9.60
Imported, 50b a. ....D	7.00	7.25
Phosphoric, 50% tech. 150b chya.		
USP, Syrupy 85°, 70b ..D	.07	.07%
denis ....D	.15	.17
Imported ....D		
Second Hands ....D	.15	.16
Phthalic, see Phthalic Anhydride		
Picramic, 300b bbls. ....D		.50

ACID

Picric, 450b bbls. ....D	.26	.27
Bbls. car lots. wks. ....D		.25
Pyrogallic, crys. 5b cans. ....D	1.25	1.30
Resublimed, 5b cans. ....D	1.50	1.60
Tech. powd., 200b bbls. ....D		.85
Salicylic, tech., 125b bbls. ....D	.33	.34
USP, 100b bbls. ....D		.35
Second Hands ....D	.33	.34
Sulfanilic, 250b bbls. ....D	.16	.20
SULFURIC, 66° 180b chya.		
1c/l wks. ....100b	1.50	1.85
Chya., c/l wks. ....100b		1.25
1500b Drums, 1c/l		
wks. ....100b		1.25
Drums, c/l wks. ....100b		1.00
Tank cars, wks. ....net ton		14.00
60° 1500b Drums		
1c/l wks. ....100b		1.00
Drums, c/l wks. ....D		.80
Tank cars, wks. ....net ton	9.50	10.00
C.P. 175b chya. ....D	.07	.08
Oleum 20 p.e. 1500b drums		
1c/l wks. ....100b		1.40
Drums, c/l wks. ....100b		1.15
Tank cars, wks. ....net ton	17.00	18.00
Oleum, 40% drs 1c/l wks. net ton		40.00
Oleum, 60% drs., 1c/l wks. net ton	60.00	70.00
Sulfurous, USP 6% 100b chya. ....D	.05	.06
4% 100b chya. ....D	.04	.05
USP, 5 gal. demis. ....D	.06	.08
Tannic, tech. 300b bbls. ....D	.30	.40
USP, powd. 200b bbls. ....D	.75	.80
USP, fluffy, 50b bbls. ....D	.75	.80
Tartaric, USP cryst. 300b bbls. ....D		.29
USP, powd. 300b bbls. ....D		.29
Imp. USP, 240b bbls. ....D	.27%	.28
Powd., 240b bbls. ....D	.27%	.28
Totias, 250b bbls. ....D		.85

ACID

Tungstic, 100b keps. ....D		1.00
Valeric, C.P., 10b bot. ....D	2.50	2.75
Acetone Alk. cryst. 1 oz. vls. ....oz		30.00
Amorphous, 1 oz. vls. ....oz		20.00
Adeps Lanas, hydrous 350b bbls. ....D	.15	.31
Anhydrous, 350b bbls. ....D	.18	.23
Albumen, Egg, edible ....D	1.29	1.35
100b drs. ....D	.95	1.05
Blood ....D	.47	.50
Vegetable ....D		nem.
ALCOHOL, USP, 190 pf. 50 gal.		
bbls. ....gal	4.90	5.00
Second Hands, bbls., USP 190 pf.		
pf. ....gal		
Export, USP, 190 pf. ....gal	.60	.85
Cologne Spirit, 50 gal. bbls. ....gal	5.00	5.10
WOOD, see Methanol		
Alcohols also in 50 gal. drums extra and returnable.		
Butyl, 50 gal. drums, wks. ....D	.28	.29%
Tank cars, wks. ....D		.27%
Isobutyl, crude, 50 gal. drs. ....gal		
Refined, 10b can. ....D		
Isopropyl, Refined, 90-91%, 50 gal. drs. ....gal	6.75	6.90
Ref'd, 98-99%, drs. ....gal	8.50	8.75
Denaturing Grade ....gal	2.00	2.25
Propyl nml. ord. 50 gal. drs. ....gal		4.40
Refined, 10b cans. ....D		.75
Denatured		
No. 1, Complete Denat. 190 Proof 50 gal. bbl. incl. ....gal	.63	.65
Car lots ....gal		.61
50 gal. drums, extra. ....gal	.56	.58
Car lotsgal		.54
No. 1, Special Denat. 190 Proof 50 gal. bbl. incl.gal	.62	.64
Car lotsgal		.60

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NITRIC ACID	BISULPHITE SODA

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Chemicals

ALCOHOL, DENAT. (Cont.)

50 gal. drums, extra.....gal	.55	.57
Car lots53	
No. 5, Complete Denat. 188 Proof		
50 gal. bbl. incl. ....gal	.61	.63
Car lots .....	.59	
50 gal. drums, extra.....gal	.54	.56
Car lots .....	.52	
No. 6, Complete Denat. 188 Proof		
50 gal. bbl. incl. ....gal	.60	.62
Car lots .....	.58	
50 gal. drums, extra.....gal	.53	.55
Car lots .....	.51	
In addition to the regular authorized formulae for completely denatured alcohol, some 75 formulae for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue.		
Aleoh, USP, 100 lb. cases.....lb	.85	.88
Alpha-Naphthol crude 300 lb. bbls. lb	...	.65
Refined .....	.85	.90
Alpha-Naphthylamine, 350 lb. bbls. lb	.35	.37
Ton. lots, bbls. wks. ....lb	...	.35
ALUM, Ammonia, lump 400 lb. bbls.		
wks., 1c/l	3.15	3.50
Imp., 500 lb. cases.....1c/l		
Ground, 400 lb. bbls. wks. 100 lb	3.30	3.75
Powd., 380 lb. bbls. wks. 100 lb	3.55	3.90
Chrome, 500 lb. cks. wks. 100 lb	5.50	6.09
Potash, lump 400 lb. bbls.		
wks., 1c/l	3.25	3.50
Bbls., c/l wks. ....100 lb	3.25	3.30
Ground, 400 lb. bbls. wks. 100 lb	3.40	3.75

ALUMS, Potash (Cont.)

Imp. 350 lb. cases.....100 lb	2.75	3.00
Powd., 380 lb. bbls. wks. 100 lb	3.65	4.00
Chrome, 500 lb. cks. wks. 100 lb	5.50	6.00
Soda grd. 400 lb. bbls. wks. 100 lb	...	3.75
Sols. c/l wks. ....100 lb	...	3.80
Aluminum, metal, c/l NY.....100 lb	27.00	28.00
Aluminate, anhyd. 275 lb. drs. lb	.20	.22
Crystals, 375 lb. bbls. ....lb	...	.06 1/2
30% sol. 120 lb. cys. ....lb	.03 1/2	.04
Hydrate 96% light 90 lb. bbls. lb	.17	.18
Heavy 62-64%, 220 lb. bbls. lb	.06	.06 1/2
400 lb. bbls. wks. ....lb	.06 1/2	.07
Stearate, 100 lb. bbls. ....lb	.21 1/2	.22
SULFATE, Iron-free bags c/l		
wks. ....100 lb	2.00	2.10
Bbls., c/l wks. ....100 lb	2.15	2.25
Imported, spot	1.75	2.00
Comm'l. 3/4% iron bgs c/l		
wks. ....East 100 lb	...	1.40
Cont. ops. c/l wks. E. 100 lb	1.35	1.40
Bags, c/l wks. W. ....100 lb	...	1.40
Bbls., c/l wks. East. ....100 lb	...	1.55
Bulk, c/l cont. wks. E. 100 lb	...	1.50
Amidol (see Diaminophenol)		
Amidopyrine, Imp., 10 lb. boxes.. lb	4.75	4.85
Domestic, 10 lb. boxes	4.60	4.75
Aminoozobenzene, 110 lb. kgs. ....lb	...	1.15
Ammon. Sulf., bulk wks. ....100 lb	2.60	2.65
Double, bgs., f.a.s. NY.....100 lb	3.00	nom.
Single, bgs., wks. ....100 lb	...	2.90
AMMONIA, anhyd. 100 lb. cpl. ....lb	...	.30
Water, 26° 800 lb. drs. wks. ....lb	...	.06 1/2
Drs. c/l wks. ....100 lb	...	.06 1/2
C.P., cys. ....100 lb	...	.12
Imp., 800 lb. drs. incl. spot. ....lb	.06 1/2	.06 1/2
26° 100 lb. cys. 1c/l wks. ....lb	.08 1/2	.08 1/2
Cys., c/l wks. ....100 lb	...	.08 1/2
20° 800 lb. drs. c/l wks. ....lb	...	.04 1/2
Cys. 1c/l wks. ....100 lb	...	.07 1/2
18° 800 lb. drs. c/l wks. ....lb	...	.04 1/2
Cys. 1c/l wks. ....100 lb	...	.4%

AMMONIA (Cont.)

16° 800 lb. drs. c/l wks. ....lb	...	.03 1/2
Cys., 1c/l wks. ....100 lb	...	.04
Ammonium Acetate, 100 lb. kgs. lb	...	.43
Benzonate, USP, 1 lb. bot. ....lb	...	1.27
Bifluoride, 300 lb. bbls. ....lb	.22	.23
100 lb. kgs. ....100 lb	.23	.24
Bromide, 50 lb. boxes .....	.54	.55
Imported, 112 lb. boxes .....	.48	.50
Carb. tech. 560 lb. cases.....lb	...	.09 1/2
Powd., tech. 385 lb. bbls. lb	...	.07 1/2
USP, lump, 100 lb. kgs. ....lb	...	.14
Powd., 100 lb. kgs. ....lb	...	.15
Chloride, Domestic		
White, 250 lb. bbls., c/l ....lb	...	.07
250 lb. bbls., 1c/l wks. ....lb	.07 1/2	.07 1/2
Imp. wh. 250 lb. cases spot. ....lb	.05 1/2	.06
Gray, 250 lb. bbls., wks. ....lb	.07 1/2	.08 1/2
Bbls., c/l wks. ....100 lb	...	.07 1/2
Imp. gray 250 lb. cases.....lb	.06 1/2	.07
Lump, 500 lb. cases spot. ....lb	.12	.12 1/2
Ichthyolate, as to brand.....lb	4.85	5.00
Iodine, USP, 25 lb. jars.....lb	...	5.20
Lactate, 500 lb. bbls. ....lb	.15	.16
Nitrate, tech. cys. 225 lb. bbls. lb	...	...
Refined Crystals, bbls. ....lb	.21	.23
CP gran. 100 lb. kgs. ....lb	.35	.37
Oxalate, pure, 100 lb. kgs. ....lb	.35	.37
Persulfate, 112 lb. cases.....lb	.35	.40
Phosphate, dibasic 200 lb. bbls. lb	...	.38
Tech., powd. 325 lb. bbls. ....lb	...	.18
Phosphate, mono, 325 lb. bbls. lb	.12	.12 1/2
Salicylate, USP, 100 lb. kgs. ....lb	.75	.80
Sulfate, bulk, c/l wks. ....100 lb	2.75	2.80
200 lb. single bgs. c/l wks. 100 lb	...	2.90
200 lb. double bgs., f.a.s. 100 lb	...	3.07 1/2
Sulfocyanide, tech., 100 lb. kgs. lb	.50	.60
CP, 25 lb. jars .....	.60	.70
Amyl Acetate, tech. 50 gal. drs. gal	3.25	3.50
Refined, 50 gal. drums.....gal	3.90	4.20
Alcohol, see Fuel Oil		

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Department of Agriculture

Telephone Beekman 2116 2117 2118 8439

Chemicals

ANILINE OIL, 900D drs.....D	.16	.17
Aniline Salt, 200D bbls.....D	.20	.23
Annatto, fine.....D	.23	.30
Anthracene, 80-85%, 600D casks wks.....D	.65	.70
Anthraquinone, subl. 125D bbls..D	1.00	1.16
Antimony metal, slabs, ton lots.100D	.18½	.19
Needle Powd., 100D cases...D	.12	.14
ANTIMONY CHLORIDE, anhyd 1000D drs.....D	...	.35
50D crocks.....D	.45	.48
Sol'n, 120D carboys 33°...D	...	.06
Oxide, 500D bbls.....D	.17	.18
Salt, dom. 500D bbls.....D	...	.25
Imp., NY.....D	...	.22½
Sulfuret, golden 500D bbls..D	.20	.22
330D kegs.....D	.23	.24
Crimson, 500D bbls.....D	.45	.46
336D kegs.....D	.48	.50
Vermilion, 500D bbls.....D	.50	.65
336D kegs.....D	.68	.68
Tartrolactate, 500D bbls.....D	...	.45
Antipyrine, USP, 100D cases...D	1.80	1.90
Apomorphine Hydrochloride, ¼ oz. vials	...	.22.75
Archil, double 600D bbls.....D	.13	.14
Triple, 600D bbls.....D	.16	.17
Cone, 600D bbls.....D	.18	.20
Arcoline Hybromide, 1 oz. vial. oz	6.25	7.82
Argols, red powd., 350D bbls..D	.05½	.06½
Arsenic, metal. 320D kegs.....D	...	.48
Ked, 224D kegs cases.....D	.13½	.14
White, 320D cases to 550D bbls., NY.....D	.05½	.06
Asbestine, c/l.....ton	18.00	18.00
le/l.....ton	20.00	22.00
Aspirin, see Acid acetylsalicylic		
Atropine, Alk. USP, 1 oz. vial...oz	5.00	5.57
Sulfate, 5 oz. cans.....oz	...	2.75
Single ounce.....oz	...	2.92

BARIUM BINOXIDE, see Barium dioxide		
Carbonate, precip., 300D bbls. wks.....ton	56.00	58.00
Precip., 200D bbls., wks.....ton	54.00	56.00
Imports, bbls., NY.....ton	52.00	54.00
Chloride, 800D bbls., wks.....ton	70.00	72.50
200lb hgs., wks.....ton	70.00	72.50
Imports, bbls., spot lb.....ton	66.00	68.00
Dioxide, 88% 600D drs.....D	.16	.17
Import, 86-88% 400D drs..D	...	.15
Hydrate, 500D bbls.....D	...	.05½
Iodide, 5D box.....D	...	5.16
Nitrate, 700D casks.....D	...	.10
Import casks.....D	.07½	.08
Sulfocyanide, 600D bbls.....D	.30	.31
Barwood, chips.....D	.04½	.05
Barytes, floated 350D bbls. wks. ton	26.00	28.00
Imported.....ton	29.00	33.00
Bay Rum, Porto Rico, genuine		
Medicated salicyl. acid or tartar emetic 45 gal. bbls.....gal	.90	1.00
Medicated quinine sulf. 45 gal. bbls.....gal	.90	1.00
Domestic synthetic, 50 gal. bbls.....gal	.72	.75
St. Thomas		
Medicated salicyl. acid or tartar emetic, 50 gal. bbls. gal	.90	.95
Benzaldehyde, tech. 945D drs. wks.....D	.70	.75
USP, 40D chys.....D	1.40	1.50
FFC, 40D chys.....D	1.80	1.95
BENZENE, 90% 8000 gal. tanks wks.....gal	...	.21
110 gal. drs., wks.....gal	...	.26
Pure Tanks, wks.....gal	...	.23
110 gal. drs. wks.....gal	...	.28
Benzidine Base, dry 250D bbls..D	.75	.76
Benzidine Sulfate, paste 350D bbls.....D	.70	.72

Benzol, see Benzene		
Benzonaphthol, 5D boxes.....D	3.50	3.60
Benzoyl Chloride, 500D drs.....D	...	1.00
Benzyl Acetate, 100D chys.....D	1.55	1.75
Alcohol, 5D bot.....D	1.45	1.55
Benzoate, 5D bot.....D	1.60	1.75
Medicinal FFC.....D	1.75	2.00
Chloride, 95% tech. 925D drs..D	...	.35
100D chys.....D	.25	.30
Redistil. 160D chys.....D	.40	.45
Formate, 1D bot.....D	3.25	3.50
Berberine Hydrochloride, 1D bot.....D	...	22.50
Sulfate, acid or neut. 1D bot..D	...	23.00
BETA-NAPHTHOL, 350D bbls.wks.D	.24	.25
Carlots, wks.....D	...	.23
Sublimed.....D	.55	.60
Beta-Naphthylamine, tech. 200D bbls.....D	.63	.67
Sublimed, 200D bbls.....D	...	1.35
Bichloride Mercury, see Mercury Bichloride		
BISMUTH metal, 150D cases...D	...	1.35
Second Hands.....D	...	1.35
Ammon. Citrate, USP, 5D bxs..D	...	5.10
Betanaphtholate, 5D bxs.....D	...	2.55
Citrate, USP, 5D bxs.....D	...	2.35
Nitrate, 25D jars.....D	...	1.40
Oxychloride, 25D bxs.....D	...	2.75
Phenolsulfonate, 5D cans.....D	...	2.45
Salicylate, 25D bxs.....D	...	1.60
Subcarbonate, USP, 25D bxs..D	...	2.50
X-Ray diag. 1D bot.....D	...	2.90
Subgallate, USP, 25D bxs.....D	...	2.00
Subiodide, 5D lots.....D	...	3.95
Subnitrate, USP, 25D jars...D	...	3.00
Second Hands.....D	...	1.90
Cones, 1D bot.....D	...	3.05
Subsalicylate, USP, 25 bbls..D	...	2.25

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Acid Benzoic
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Chemicals

BISMUTH (Continued)

Tannate, 1 lb bot.	1.95	
above on basis 25 lb lots.		
Smaller lots at an advance.		
Blanc Fine, dry 400 lb bbls. wks.	60.00	90.00
Imported, bbls.	70.00	72.00
Paste, 650 lb bbls.	50.00	55.00
BLEACHING POWDER, 700 lb drs.		
c/l wks.	100 lb	2.00
Drums, 1c/l ex-warehouse.	100 lb	2.35
Contract, c/l wks.	100 lb	1.90
Drums, 1c/l wks.	100 lb	2.15
Imported, spot	100 lb	...
Blood, dried, f.o.b. NY	unit	3.65
Chicago	unit	3.60
Blue Ointment, see Mercury		
Mauve, see Mercury		
Blue Vitriol, see Copper Sulfate		
Bone, 3 & 50 gr. steam, Chgo.	unit	23.00
Raw, NY	ton	32.52
Bone Ash, 100 lb bags.	D	.06
Black, 200 lb bbls.	D	.06
Borax, USP, crys. 400 lb bbls.	D	.05%
Powdered, USP, 300 lb bbls.	D	.05%
Kegs, USP, 100-150 lb	D	.05%
Nordeston Mixture, 16% pd. bbls.	D	.11%
Paste, bbls.	D	.08
Boraxol, 1 lb bot.	D	3.50
Brimstone, see Sulfur		
Butyl Acetate, tank cars, wks.	gal	2.25
Drums, c/l wks.	gal	2.27
(Freight allowed)		
British Gum, com. c/l.	100 lb	5.02
le/l.	100 lb	5.22
Potatoes, 1c/l	D	.09
Bromide, see potash, bromide, etc.		
Bromine, bot. in 50 lb cs. wks.	D	.47
Bromobenzene, 600 lb drums.	D	.40
Bromoform, USP 5 lb bot 50 lb cs.	D	1.65
Bucine Sulfate, 100 ozs.	oz	.15
Butter of Antimony, see Antimony Chloride		
CADMIUM, metal 100 lb bxs.	D	.70
Bromide, 50 lb cases jars.	D	1.20

Iodide, 10 lb bot.	D	4.45
Sulfide, ca. v.	D	1.50
CAFFEINE ALK, USP 5 lb cans.	D	3.75
Second Hands	D	3.50
Hydrochloride, 1 lb bot.	D	6.05
Sulfate, 1 lb bot.	D	5.40
Citrate, 25 lb cans.	D	2.70
Hydrobromide, 1 lb bot.	D	4.65
CALCIUM, Acetate, 150 lb bgs, c/l		
100 lb	D	3.00
Arsenate, 100 lb bbls. c/l wks.	D	.06
Bromide, 100 lb cs.	D	.60
Carbide, 220 lb dr. c/l wks.	D	.04%
Carbonate, tech., 100 lb bags		
c/l	100 lb	1.00
USP, precip. 175 lb bbls.	D	.08%
Chloride, solid, 650 lb drs. c/l		
f.o.b. wks.	ton	21.00
Imp. shipment	ton	18.18
Flake, 375 lb drs. c/l drs. f.o.b.		
wks.	ton	27.00
Anhyd. 350 lb drs. f.o.b. NY.	D	.13
Glycerophosphate, 250 lb bbls.	D	1.40
Hydrate, see Lime		
Hypophosphite, USP, 25 lb cans.	D	.60
Iodide, 5 lb bot.	D	4.40
Lactate, tech., 500 lb bbls.	D	.13%
USP.	D	.50
Nitrate, 220 lb bbls. c/l NY.	ton	50.00
Phosphate, tech., 450 lb bbls.	D	.09
Phosphate, precip. tribasic, 200 lb		
bbls., wks.	D	.11
Phosphate, mono, 325 lb bbls.	D	.07
Sulfocarbonate, 100 lb kegs.	D	.55
Calomel, see Mercury		
CAMPBOR, Amer. ref. 250 lb		
bbls.	D	.80
2 1/2 lb slabs, 100 lb cs.	D	.81%
1 lb cakes, 100 lb cs.	D	.81%
1 oz. tab., 1 lb ctms.	D	.85%
100 lb cs.	D	.85%
1/2 oz. tab., 1 lb ctms.	D	.86
100 lb cs.	D	.86

CAMPBOR (Cont.)

Jap. ref., 2 1/2 lb slabs, 100 lb		
ca.	D	.68
1 oz. tab., 100 cs. 1 lb		
ctms.	D	.80
1/2 oz. tab., 100 lb cs., 1 lb		
ctms.	D	.81
Chinese ref. 2 1/2 lb slabs 100 lb		
ca. D.	D	...
Crude, 100 lb cs.	D	.54
Campbor, liniment, bbls.	gal	2.30
Campbor, Monobrom., 100 lb cs.	D	1.85
Camwood, chips	D	.09
Caramel, 50 gnl. bbls.	gal	.85
Carbasol, 250 lb bbls.	D	.50
Carbon Bisulfide, 500 lb drs. 1c/l/NY.	D	.05%
c/l drums, NY	D	.05%
Carbon Black, c/l wks. bags.	D	.06
100-300 lb. cases 1c/l NY.	D	.09
Carbon Dioxide, Liquid, 20-25 cy.	D	.06
Carbon Tetrachloride, 1400 lb drs.		
NY	D	.07
Drums, c/l NY	D	.08
700 lb drs. single NY.	D	.07%
Carmine, No. 40, 5 lb boxes.	D	4.50
Caseln, edib., 100 lb keg.	D	.45
Tech. Imp., 200 lb bbls.	D	.12%
Tech. Dom.	D	.13%
Castoreum, 1 lb boxes	D	4.00
Castor Oil, USP, 50 gal. bbls.	D	.17%
Cases, 80 lb 2 tins	D	.18%
Tech., see Fixed Oils		
Caustic Potash, see potash, caustic		
Soda, see soda, caustic		
Cellulose Acetate, 100 lb cases.	D	1.75
Cerium Oxide USP 100 lb kegs.	D	.35
Chalk, drop 175 lb bbls.	D	.08%
Precip. light 250 lb csks.	D	.04%
Precip. heavy 500 lb csks.	D	.03%
Bulk	ton	5.00
Precip. English, 7 lb bags.	D	.07%
Charcoal, Bone, see bone black		

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Chemicals

CHARCOAL (Cont.)			Cinchonidin Sulfate, 100 oz. tins. oz.			Cinchidine alk. USP, 1 oz. vial.		
Wood, powd., 100 lb bbls. . . . .	.04	.05	Rosale, 1,000 oz. lots. . . . .	.39		Salicylate, 1 oz. vial. . . . .	.15	.07
Willow, powd., 100 lb bbls. . . . .	.05%	.06	Cinchonine alk., powd. 1000 oz. tins. oz.	.38		Colloid, USP, 30 lb drums. . . . .	.23	
Chestnut, clarified, 25% ths. wks. . . . .	.01%	.02	Crystal	.43		COPPER metal electrolytic c/l		
Bbls., wks. . . . .	.02%	.02%	Sulfate, 100 oz. tins. . . . .	.25		NY	14.62%	14.75
Powd., 60% 100 lb bags, wks. . . . .	.05%	.05%	Citric Acid, see Acid Citric			Lake, c/l NY	14.87%	15.00
Decolorized, bags, wks. . . . .	.06%	.07	Citrine Ointment, see Mercury			Casting, c/l NY	14.12%	
China Clay, Dem.	6.00	9.00	Coal Tar, See Tars			Carbonate, 400 lb bbls. . . . .	.16%	.17%
Washed & Ground, wks.	11.00	15.00	Cobalt metal, 100 lb kgs.	2.50	3.00	Chloride, 250 lb bbls. . . . .	.28	
Imp., Filler Clay	16.00	23.00	Cobalt Oxide, 500 lb bbls.	2.10		Cyanide, 100 lb drs. . . . .	.49	.50
Coating	20.00	25.00	10 lb tins, 200 lb cases.	2.20		Iodide, 5 lb bot. . . . .	.56	
Chloral Hydrate, USP 100 lb drs. . . . .	.60	.65	COCAINE alk., USP, 1 oz. vial.			Oxide, red 1000 lb bbls. ton lots . . . . .	.16%	.17
25 lb jars . . . . .	.68	.70	Hydrochloride, USP—1 oz. vials,	10.00		Sub-Acetate, verd. 440 lb bbls. . . . .	.23	.27
Chinoidin, 140 lb drs. . . . .	.40		25 ozs.	7.57		SULFATE, crys. 450 lb bbls. lc/l		
Chloramine-T, 5 lb bot.	1.32	2.07	In 1/4 oz. vials	8.00		spot	4.90	5.00
Chlorocane, 5 lb bot. . . . .	.55	.85	In crystals, granular, powder,			Carlots, lbs., f.o.b. NY 100 lb	4.65	4.85
Chlorhydrin, Ethylene anhyd. 600 lb drums . . . . .	.75	.85	or flaky crystals as desired.			Carlots, bbls. delivered 100 lb	4.90	5.00
40% soln. 100 lb cys. . . . .	.25	.30	Cocoa Butter, bulk, 200 lb bales. . . . .	.29	.30	Imp. 550 lb cys. spot. 100 lb . . . . .	. . .	. . .
CHLORINE, Liquid 2000 lb cyl.			c/l . . . . .	.27%		Powdered, 350 lb 5 bbls. . . . .	. . .	. . .
c/l wks. . . . .	.04%		Fingers, cakes, etc. 12 lb bxs. . . . .	.34	.36	Copperas, bulk, c/l wks.	10.00	13.00
Tank car lots, wks. Contract. . . . .	.04		CODEINE, alk., oz. vis 10 oz.			200 lb bgs., c/l wks. . . . .	.16.00	
100 lb cyl. c/l . . . . .	.05%	.05%	lots	9.87		400 lb bbls, c/l wks.	17.00	
100 lb cyl. lc/l wks. . . . .	.07	.08	Hydrobromide, 1 oz. vis. 10 oz.	7.92		Powdered, bbls.	1.90	2.00
100 lb cyl. lc/l ex-warehouse. . . . .	.08	.09	lots	7.42		Sugar, 400 lb bbls.	1.25	1.35
Chlorobenzene, mono. 100 lb drs. . . . .	.10	.11	Nitrate, 1 oz. vis. 10 oz. lots.	8.87		Corn Syrup, 42 deg. 50 gal.		
wks. . . . .	.08	.08%	Phosphate, 1 oz. vis. 10 oz.	7.42		bbls.	4.20	
Dr. c/l wks. . . . .	.08	.08%	lots	7.42		43 deg. 50 gal. bbls.	4.31	
Tank car lots wks. . . . .	.35		Salicylate, 1 oz. vis. 10 oz.	7.43		44 deg. 50 gal. bbls.	4.38	
CHLOROFORM, USP 50 lb drs. . . . .	.35		lots	7.92		45 deg. 50 gal. bbls.	4.45	
Second Hands, 650 lb drs. . . . .	.30	.32	Sulfate, 1 oz. vis. 10 oz. lots.	7.92		Corn Sugar, see Glucose		
Technical, 650 lb drums. . . . .	.30	.31	Small Sizes, 1/4 oz. vials, 50c extra.			Cotton Soluble, 100 lb bbls. wet. . . . .	.40	.42
Chlorophyll, Oil Sol.	2.50	2.75	1/4 oz. 30c extra, singles 7c extra			Coumarin, 25 lb tins	3.25	3.45
Water Sol.	3.75	4.00	per oz.—25 oz. lots, 10c oz. cheaper			Second Hands	3.25	3.30
Chromium Acetate, 30% soln. 400 lb bbls. . . . .	.05%		than above. Less than 10 oz. 15c oz. higher than above.			CREAM TARTAR, USP, 300 lb		
Fluoride, Powd., 400 lb bbls. . . . .	.24	.26	COOLIVER OIL, Norwegian, 30 gal.			bbls. . . . .	.21%	.21%
Chrysarobin, USP, 5 lb cans.	5.35	5.35	bbls.	32.50	34.00	Imp. powd. USP, 224 bbls. . . . .	.21	.21%
Cinchonidin alk., powd. 100 oz. tins.60					Cresote, USP, 42 lb cys.40	.43
Crystal65					Carbonate, 1 lb bot. 25 lb	1.85	1.90

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Chemicals

Cutch, Rangoon, 100 lb bales.... lb	18	
Borneo, solid, 100 lb bales.... lb	.04%	.05
Liquid, 450 lb bbls.... lb	.09	.11
Tablets, 120 lb boxes.... lb	.13	.14
Cyanamide, bulk c/l whs. Amm. unit	1.90	2.00
March & April, deliv. unit		1.85
Cyanamide, NY, basis.... unit	1.65	1.75
Cymene, See Para-Cymene		
Dextrin, corn 140 lb bags c/l 100 lb	4.62	
Bags, 1c/l 100 lb	4.72	
Yellow, bags, c/l 100 lb	4.72	
Bags, 1c/l 100 lb	4.82	
Potato, 220 lb bags, c/l lb	.08 1/2	
Yellow, 220 lb bags lb	.09	
Tapoca, 200 lb bags, 1c/l lb	.08 1/2	
DIAMINOPRENOL, 100 lb kegs.... lb	3.80	
Dianisidine, 100 lb kegs.... lb	3.50	3.60
Dichlorobenzene, 1000 lb drs.... lb	.08	.07
Dichloramine, 400 lb drs.... lb	2.50	
Diethylamine, 850 lb drs.... lb	.62	.64
Diethyl Phthalate, 25 lb cans.... lb	.40	.45
1000 drs.... lb	.35	.40
Diethyl Sulfate tech. 50 gal. drs.... lb	.20	.25
CP drums lb	.40	.50
Digitalin, Pure, 1 oz. vial.... oz	9.75	10.25
Dimethylaniline, 840 lb drs. wks.... lb	.33	.35
Dimethylamine, 400 lb drs.... lb	2.80	
Dimethylsulfate, 100 lb drs.... lb	.50	
Dinitrobenzene, 400 lb bbls.... lb	.15	.16
Dinitrochlorobenzene, 400 lb bbls.... lb	.15	.16
Dinitrochlorine, 300 lb bbls.... lb	.18	.19
Dinitronaphthalene, 350 lb bbls.... lb	.32	.34
Dinitrophenol, 350 lb bbls.... lb	.32	.35
Dinitrotoluene, 300 lb bbls.... lb	.19	.20
Dionin, see Morphine, Ethyl		
Diphenylamine, 250 lb bbls.... lb	.48	.50
Diphenylguanidine, 1000 lbs.... lb	1.05	1.10
Divi Divi Extract lb		.04 1/2
Divi Divi, pods, bags.... ton		55.00
Dover's Powder, USP 5 lb tin.... lb	2.20	2.30
Duboisine Sulfate, 1 oz. vial.... oz		30.07

EARTH, Diatomaceous, see Kieselguhr

Egg Yolk, spray, 150 lb cs.... lb	.43	
Eucetone alk., 15 gr. vis.... ca	1.30	
Hydchilde, USP, 1 oz. vial.... oz	19.07	
15 gr. vials.... ca	.82	
EPSOM SALT, tech. 300 lb bbls.... lb		
Nl 100 lb bbls.... lb	2.1*	
Rbbs c/l NY.... 100 lb	2.00	
100 lb bbs, c/l NY.... 100 lb	1.50	1.75
Imp., 220 lb bbs, c/l		
NY 100 lb bbs.... 100 lb	1.25	1.30
USP, 300 lb bbs, 10 bbls 100 lb		
Carlots, bbls.... 100 lb	2.00	2.20
Imported, 400 lb bbls.... 100 lb	1.65	2.00
100 lb kegs.... 100 lb	2.00	2.25
Ergotin, Bonjean, 1 lb jars.... lb	8.00	6.3*
Eserine alk., 1 oz. vial.... oz	30.07	
Sulcyate, USP, 1 oz. vial.... oz	22.07	
Sulfate, USP VIII, 1 oz. vial.... oz	17.07	
ETHER, USP, 55 lb drums.... lb	.18	
Anaesthesia, 55 lb drums.... lb	.19	
USP, 1880 55 lb drums.... lb	.45	
Washed, 55 lb drums.... lb	.37	
Motor, 1 lb cans.... lb	.31	
Ether, Nitrous, 1 lb bot.... lb	.92	.95
Ethyl Acetate, 99% 50 gal. drs. gal	1.15	1.18
85% Ester, 100 gal. drs. gal		.95
Carlots, drums gal		.82
Tanks Cars gal		.90
Refined, drums gal	1.77	1.90
Bromide, 115 lb drs.... lb	.40	
Chloride, 200 lb drs, 15 lb cpl.... lb	.26	.35
Methyl Ketone, 50 gal. drs.... lb	.25	.25 1/2
Morphine, see Morphine, Ethyl		
Ethyl Benzyl Aniline, 300 lb drs.... lb	1.10	1.15
Ethylene Bromide, 600 lb drs.... lb		.70
Glycerol lb	.65	1.00
Chlorhydrin, anhyd. 50 gal. drs.... lb	.75	.85
40% Solution, 50 gal. bbls.... lb	.25	.30
Dichloride, 50 gal. drs.... lb	.30	.35
Ethylideneaniline lb	.45	.50
Eucalyptol, 25 lb cans lb		.80
Feldspar, bulk ton	20.00	25.00

FERRIC CHLORIDE, tech. crys.		
475 lb bbls.... lb	.08	.10
Imported lb		.07
USP, crys. 100 lb kegs lb		.10
Imported lb		.07 1/2
Neut. Sol'n 42° 140 lb chys.... lb	.06 1/2	.07
46° 140 chys.... lb	.08	.08 1/2
USP Sol'n 125 lb chys.... lb	.06 1/2	.07
Ferrous Chloride, crys. tech.		
475 lb bbls.... lb	.06	.06 1/2
Ferrous Sulfate, 1000 lb bbls 100 lb	2.50	3.00
Fish Scrap, dried wks.... unit	4.50	10
Acid, Bulk, 7 & 3 1/2, Deliv.		
Norfolk & Balt. basis unit	4.50	50
Flake-White, see lead white		
Flavine lb	.95	1.00
Fluorspar, 95% 220 lb bags, ex-		
dock ton		25.00
96% bbs. ton		33.50
98% bbs. ton		35.00
FORMALDEHYDE, USP 400 lb bbls.		
c/l wks.... lb	.09	.09 1/2
Carboys, 100 lb 1c/l wks.... lb		.10 1/2
Bbls, 400 lb 1c/l wks.... lb	.10	.10 1/2
Second Hands lb	.09 1/2	.09 1/2
Fossil Flour lb	.02 1/2	.04
Formaniline lb	.40	.45
Fuller's Earth, 200 lb bbs, c/l		
mines ton	15.00	17.00
Imported, 230 lb bags, NY.... ton	35.00	40.00
Furfural, 300 lb bbls.... lb	.22	.25
Fuel Oil, 10% Impurities, drs. lb	2.75	4.00
Fusite, solid 50 lb boxes.... lb	.19	.20
Crystals, 100 lb boxes.... lb	.20	.21
Liquid, 51°, 600 lb bbls.... lb	.10	.14
Fusite, sticks ton	30.00	32.00
Chiph lb	.04	.05
G. SALT, paste 350 lb bbls. basis		
10% lb	.52	.54
Gall extract lb	.15	.16



ACIDS and HEAVY CHEMICALS

Acids: Sulphuric
Chamber—Oil of Vitriol 66°—Oleum
Battery Acid

Acetic—Muriatic—Nitric—Mixed
Lactic: Technical and Edible
Anhydrous Sodium Sulphate
Sulphate of Alumina
Commercial—Iron Free
Ammonia and Potash Alums, U.S.P.

Barium Chloride—
Salt Cake—
Strontium Nitrate—

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AGALITE
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ZINC OXIDE
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Chemicals

Gambier, 25% liq. 450 lb bbls..D	.14	.15	HEMATINE, Paste, 500 lb bbls..D	.09%	.13	Iodine Tinet. USP, 50 gal. bbls.gal	4.50	: 4.55
Common, 200 lb cases.....D	.19%	.20	Crystals, 400 lb bbls.....D	.14	: .18	Carboys.....gal	4.55	: 4.60
Singapore cubes, 150 lb bags..D	...	.22	Hemlock, 25% 600 lb bbls. wks.D	.03%	: .03%	Second Hands.....gal	4.28	: 4.35
Gelatin, USP silver bbl. 100 lb cs.D	.80	: .65	Hemlock, bark.....ton	...	: 20.00	Iodoform, powd., 10 lb bot.....D	...	: 5.50
Gold Label, 100 lb cases.....D	...	...	Hexamethylenetetramine, USP	...	...	Crystals, 10 lb bot.....D	...	: 6.50
Technical, 100 lb cs.....D	.45	: .50	100 lb drums.....D	.68	: .70	Iridium, metal 10 oz. lots.....cs	...	: 280.00
GLAUBER'S SALT, tech. 200 lb bags,			Imported.....D	.64	: .66	Iron, metal by hydrogen 1 lb bot..D	.80	: 1.00
c/l wks.,.....100 lb	1.10	: 1.20	Rubber Makers, Lump, Pd.	...	...	IRON & AMM. CITRATE, USP 50 lb	...	...
350 lb bbls., c/l wks.....100 lb	1.35	: 1.45	dra.....D	.82%	: .85	cases.....D	...	: .65
Bbls. lc/l wks.....100 lb	1.25	: 1.35	Homotropine Hydrobrom. USP 1 oz.	...	...	Green scales, 500 lbs.....D	...	: .70
Imported, bbls., spot.....D	1.50	: 1.60	vial.....cs	...	: 14.57	Cadmate, 100 lb bot.....D	6.50	: 6.75
USP, 300 lb bbls. Imp. sp.100 lb	.78%	: .82%	Five ozs., 1 oz. vials.....cs	...	: 13.50	Citrate, USP VIII 25 lb cans.D	.99	: 1.01
USP, 300 lb bbls. dom. sp.100 lb	...	: 1.25	Hydrastine Alk., USP, 1 oz. vial.cs	...	: 16.57	Chloride, see ferric or ferrous	...	...
USP, 300 lb bbls. dom. sp.100 lb	...	: 1.75	Hydchlide, USP, 1 oz. vial.....cs	...	: 16.57	Hypophosphite, 5 lb cans.....D	1.50	: 1.60
USP, 300 lb bbls. c/l wks.100 lb	...	: 1.40	Sulfate, 1 oz. vial.....cs	...	: 18.07	Syrup, USP VIII.....D	...	: .90
Calcined, see Sodium Sulfate			Hydrastinine Hydchlide, USP 15 gr.	...	...	Iodide, 1 lb bot.....D	...	: 4.28
Glucose, (Grape Sugar) dry, 100			vials.....vial	...	: 1.00	-D. USP 5 lb bot.....D	.35	: .38
70° bags, c/l NY.....100 lb	4.20	: 4.54	Hydrasobomene 100 lb bags.....D	...	...	Nitrate, bags.....100 lb	.09	: .10
Syrup, Drs. & bbls. c/l NY 100 lb	4.26	: 4.45	HYDROGEN PEROXIDE, 25vol. 400 lb	...	...	Com'l, bbls.....100 lb	2.75	: 3.25
lc/l NY.....100 lb	4.26	: 4.55	bbls.....D	...	: .10	Oxalate scales, 25 lb cans.....D	.85	: .88
GLUE, pure white, bbls.....D	.22	: .26	100 vol. 140 lb clys.....D	.35	: .37	Oxide, red, Spanish.....D	.02%	: .08%
Medium white, bbls.....D	.20	: .24	USP Soln. 375 lb bbls.....D	.04%	: .05	English.....D	.10	: .11
French, bbls.....D	.18	: .25	100 vol. 145 lb clys.....D	...	: .48	& Ammon. Oxalate 25 lb bbs.D	.42	: .45
High Grade, bbls.....D	.35	: .40	USP bot. 4 oz. cases.....gross	8.60	: 8.35	& Potassium Oxalate, 25 lb bbs.D	.45	: .47
Bone, regular, bbls.....D	.10	: .12	Bot. 8 oz. cases.....gross	11.75	: 12.00	& Sodium Oxalate, 25 lb bbs..D	.41	: .43
Fish, bbls.....gal	1.50	: 1.75	Bot. 16 oz. cases.....gross	19.75	: 20.00	Phosphate, USP, 50 lb.....D	...	: .69
GLYCERIN, C.P., 550 lb drums..D	.19	: .19%	Hydroquinone, 100 lb bags.....D	1.40	: 1.50	Pyrophosphate, USP, 50 lb.....D	...	: .74
Cane, 50 lb.....D	.20	: .22	Hyosine Hydrobrom. USP 1 oz.	...	...	JALAP RESIN, lump, 5 lb tins....	3.75	: 4.00
Dynamite, 100 lb drs.....D	.18%	: .18%	vial.....cs	...	: 12.57	Powd. tins.....D	4.00	: 4.25
Saponification, tanks.....D	.18%	: .18%	Five ozs., 1 oz. vial.....cs	...	: 12.07	Kapeo, 200 lb double bales.....D	.26	: .28%
Sosp. Lye, tanks.....D	.12%	: .12%	Hyoscamine Alk. Cryst., 1 oz. vial.cs	...	: 20.07	KIESELGUHR, 95 lb bags NY....ton	60.00	: 70.00
Goß Powder, see chrysarhin			Hydrobromide, USP, 1 oz. vial.cs	...	: 75.07	LANOLIN, see Adeps Lanæ	...	...
Graphite, crude, 220 lb bags.....ton	15.00	: 35.00	Sulfate, 1 oz. vial.....cs	...	: 35.07	Larch, 25%, 600 lb bbls., wks..D	.03%	: .04
Flake, 500 lb bbls.....D	.05	: .09	Hyperic, 51°, 600 lb bbls.....D	.13	: .15	Powd., 100 lb bags, wks.....D	.07	: .38
Ground, lump, bbls.....D	.04	: .05	Hyperic, chips.....D	.06%	: .07	LEAD, metal, c/NT.....100 lb	...	: 9.00
Gumiacol Liquid, USP, 25 lb cans.D	2.25	: 2.35	INDOL, C.P., 1 oz. bot.....cs	6.00	: 6.50	Acetate, white crystals, 500 lb	...	...
Bombsite, 1 lb bot.....D	...	: 18.00	Iodides, see Potass. Iodide, etc.	...	...	bbls. wks.....D	...	: .15%
Carbonate, 5 lb boxes.....D	3.00	: 3.50	Indigo, Madras, bbls.....D	1.25	: 1.30	100 to 250 lb bags, wks.D	...	: .16
Second Hands.....D	2.85	: 2.95	Indigo, 20% paste, drums.....D	.17	: .20	White, broken, bbls. wks.100 lb	...	: 14.75
HAARLEM OIL, Dom. 6 gr. cs.gross	2.65	: 2.75	IODINE, crude, 200 lb bags.....D	...	: 4.10	White, gran. bbls., wks.100 lb	...	: 15.00
Imported, 5 gr. cases.....D	3.75	: 4.00	Resublimed, 10 lb jars.....D	4.65	: 4.70	White, powd., bbls. wks.100 lb	...	: 16.25
Halosone, 5 lb bot.....D	2.75	: 3.25				Kags, wks.....D	...	: .16%
						Brown, broken, bbls., wks.....D	...	: .14%

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"CROW BRAND"IRON OXIDE
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5. Improves flavor to an extent heretofore unapproached by a purifying agent of this particular nature.
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4.85
5.50
6.50
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1.00
65
70
6.75
1.01
1.88
36
4.28
38
3.25
3.25
3.25
12
12
45
47
43
69
74
4.00
4.25
28%
70.00
15%
16
14.75
15.00
16.25
16%
14%

LEAD ACETATE (Cont.)

USP, 100 lb kegs.....	19	19%
Arsenate, 100 lb kegs.....	15 1/2	16 1/2
Bbls. c/l wks.....	15	
Bbls. c/l wks.....	16	
Paste, 100 & 600 lb bbls..	99	11
Iodide, USP, VIII 5 lb bot..	3.20	3.40
Nitrate, 500 lb bbls. wks..	11	12
Oxide, litharge, 500 lb bbls..	12 1/2	
100 lb kegs, wks.....	12 1/2	
Oxide, red, 500 lb bbls wks..	12 1/2	
100 lb kegs, wks.....	17 1/2	
Peroxide, 100 lb drs.....	25	30
White, basic carb. 500 lb bbls.		
wks.....	11	
Bbls. c/l wks.....	11	
100 lb kegs, wks.....	15 1/2	
White, sulfate 500 lb bbls. wks..	10 1/2	
Bbls. c/l wks.....	10 1/2	
Licorice Ext. Mass, cases.....	25	26
Compound powder, bbls.....	11	13
Powdered.....	38	40
Sticks, 1 oz. 100 lb cases.....	45	50
LIME, (Salts, see Calcium Salts)		
Ground Stone, bags.....	4.50	
Live, Bulk.....	8.50	
Live, 325 lb bbls. ton lots wks..	01 1/4	
Single bbl. wks.....	01 1/4	
Hydrated, 167 lb bbl. ton lots,		
wks.....	01 1/4	
Single bbl. wks.....	01 1/4	
Oyster Shell, 150 lb bbl sling..	03 1/2	
Sulfur, dry 200 lb drs. NY.....	08 1/2	
Drs. c/l NY.....	08	
33% Soln. 50 gal bbls. NTgal	15	16
Linalool, 5 lb bot.....	6.25	6.75
Litharge, see lead oxide		
Lithium Carb. USP, 100 lb kegs..	1.50	1.80
Bromide, 100 lb ca.....	1.80	1.90
Citrate, USP, 100 lb kegs.....	1.70	1.75
Iodide, 5 lb bot.....	5.48	
Lithopone, 400 lb bbls. lc/l wks..	06 1/2	
Bbls. c/l wks.....	06 3/4	
Bags, c/l wks.....	06 3/4	

Imported, 400 lb bbls.....	05 1/2	06
Litmus Cubes.....	90	1.00
Logwood, 51°, 600 lb bbls.....	08 1/2	08 1/2
Lower grades.....	07	08
Solid, 50 lb boxes.....	12 1/2	16
LOGWOOD, sticks.....	23.00	27.00
Chips, 150 lb bags.....	03	03 1/2
Luminal, see Phenylethylmalonylurea		
Madder, Dutch.....	28	30
MAGNESITE, crude.....	15.00	
Calcined, 500 lb bbls.....	48.00	
Magnesium mtl, sticks 100 lb ca..	1.25	1.30
Carb. tech. 70 lb bags NY.....	06 1/2	07
75 lb bbls. NY.....	09	11
USP, 60 lb bbls.....	12	14
USP, blocks 100 lb ca. 1, 2, 4		
ca.....	19	23
Chloride, fused 575 lb drs. c/l		
wks.....	34.00	
Flaked, 350 lb drs. wks c/l ton	36.00	
Imp., fused 900 lb bbls NY ton	26.00	28.00
Fluocillate, crystals 400 lb bbls.		
wks.....	12	15
30% soln. 500 lb bbls. wks..	07	07 1/2
Soln. bbls. c/l wks.....	06	
Glycerophosphate, 5 lb tins.....	3.25	
Hypophosphite, 5 lb cans.....	1.05	
Oxide, USP light, 100 lb bbls..	42	
USP, heavy, 250 lb bbls.....	50	
Peroxide, 5 lb cans.....	2.40	
Perborate, 1 lb tins.....	2.62	
Sulfolate, 160 lb kegs.....	75	80
sulfate see Epsum Salts		
Manganese Borate, 30%,		
200 lb bbls.....	24	
100 lb kegs.....	25	
Chloride, 600 lb cans.....	06	06 1/2
Dioxin- 80-84% 900 lb bbls		
NY.....	80.00	85.00
85-90%, 900 lb bbls. NY ton	85.00	90.00

MANGANESE DIOXIDE (Cont.)

Hydrated, precip. 100 lb kgs..	15	20
Glycerophosphate, 5 lb tins.....	2.95	
Hypophos. USP VIII 5 lb cans..	1.40	
Iodide, 1 lb bot.....	6.65	
Ore, bulk, NY.....	43	44
Sulfate, 600 lb cans, NY.....	07	07 1/2
Mangrove, 55% 400 lb bbls.....	04 1/2	05
Mangrove bark, African.....	nom.	
Marble Flour, bulk.....	10.00	12.00
See also Calcium Carbonate		
MENTHOL, USP, 60 lb cases.....	12.00	
Less case, 5 lb tins.....	12.50	
MERCURY, metal, 75 lb flasks..	77.00	78.00
Less flasks, 5 lb jugs.....	1.20	
Bichloride, cryst. 25 lb bxs.....	1.20	
Gran. powd., 200 lb kegs.....	1.10	
Bisulfate, 25 lb boxes.....	1.08	
Blue Mass, 25 lb boxes.....	71	
Powdered, 25 lb boxes.....	73	
Mine Ointment, USP, 25 lb cans		
50%.....	94	
USP, dilute 25 lb cans 30%.....	71	
33 1/2% Mercury.....	80	
Calomel, 50 lb bxs.....	1.37	
Chlorine Ointment, 25 lb jars..	51	
Iodide, green 25 lb jars.....	4.20	
Red, USP, 25 lb jars.....	4.30	
Yellow, USP, VIII 25 lb jars..	4.20	
Oxide, Yellow, USP, 25 lb bxs..	1.78	
Red Precip. USP, 25 lb bxs..	1.48	
Powder, USP, 25 lb bxs.....	1.58	
White Precip. USP, 25 lb bxs..	1.49	
Powdered, USP, 25 lb bxs.....	1.54	
With chalk, USP, 25 lb bxs.....	71	
Meta-Nitraniline.....	70	80
Meta-Nitro-para-Toluidine, 300 lb		
bbls.....	2.05	2.10

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Chemicals

Metha-Phenylmethanone, 300 lb		
bbls.	lb	.90 : .95
Metha-Toluylenediamine, 300 lb		
bbls.	lb	.80 : .84
METHANOL (Wood Alcohol)		
95% tanks	gal	.67
Drums, c/l	gal	.70
Drums, 1c/l	gal	.72
97% tanks	gal	.69
Drums, c/l	gal	.72
Drums, 1c/l	gal	.74
Pure, Acetone free, tks.	gal	.75
Drums, c/l	gal	.77
Drums, 1c/l	gal	.80
Bbls. incl. 5c higher		
Methyl Acetone, 100 gal. drums	gal	.75 : .80
Tanks, cars	gal	.70 : .75
Chloride, 90 lb cyl.	lb	.50 : .55
Sulfolite, USP, 50 lb cans ..	lb	.47
500 lb drums	lb	.45
Second Hands, cans	lb	.44
Methylene Blue, tech. 100 lb kgs.	lb	1.25 : 1.50
USP, medicinal 5 lb cans ..	lb	2.00 : 2.30
Miehler's Ketone, 225 lb bbls.	lb	3.75
Milk, powd. 150 lb bbls.	lb	.14 : .15
Milk Sugar, see sugar of milk		
Mineral Oil, see oil mineral		
Mineral Rubber	ton	35.00 : 75.00
Monoacetine, 50 gal. drums ..	lb	8. : .50
Monochlorobenzene, see chlorobenzene		
Monoethylaniline, 900 lb drs.	lb	.90 : 1.00
Monomethyl paramitophenol sulfate,		
100 lb drs.	lb	3.95 : 4.20
10 oz.	oz	7.35
MORPHINE Sulfate, USP 5 oz. tins		
1/4 25c extra; single oz. via. 7c ex.		
tra, over price for 5 oz. tins. 25 c.		
lots in 5 oz. tins, 10c ex. lower than		
above schedule. Low than 10 oz. lots		
15c ex. higher than above schedule.		

MORPHINE (Cont.)		
Acetate, 5 oz. tins 10 oz. lots. on	...	7.35
Hydrobromide, 5 oz. tins 10 oz.	...	7.35
lots .....	...	7.35
Hydchloride, 5 oz. tins 10 oz.	...	7.35
lots .....	...	7.35
Ethyl Hydchloride, 1/4 oz. via. 10	...	9.35
oz. ....	...	9.35
Small Sizes: 1/4 oz. vials, 50c extra;		
Musk Ambrette, 1 lb cans.	lb	10.50 : 11.75
Myrobalams, 25% liquid bbls.	lb	.04 : .05
50% solid, 50 lb boxes.	lb	.08
Imported	lb	.06 1/2
Myrobalams, bags J1	ton	60.00 : 65.00
R2	ton	65.00
J2	ton	47.00 : 52.00
NAPHTHA, See Solvent Naphtha		
NAPHTHALENE, Flake, 175 lb bbls.		
via.	lb	.05 1/4 : .06 1/4
Bbls., c/l via.	lb	.05 : .05 1/4
Bbls., second hands, NY.	lb	.05 : .05 1/4
Balls, 250 lb bbls. via.	lb	.06 1/4 : .07
Bbls., c/l via.	lb	.06 : .06 1/4
Bbls., second hands NY.	lb	.06 1/4 : .06 1/4
Crushed, chipped, bags, via.	lb	.05
Crude, imp. bags	lb	.02
NICKEL		
Ingot, 100 lb kgs	lb	.31 : .32
Salt, single 400 lb bbls., NY.	lb	.09 : .10
Double, 400 lb bbls., NY.	lb	.10 : .11
Oxide, 100 lb kgs., NY.	lb	.38 : .40
Sulfate, 450 lb bbls.	lb	.09 : .10
Nickel Metal, electrolytic 100 lb		
Nicotine, Free 40%, 8 lb tins.	lb	1.35 : 1.90
Sulfate, 10 lb tins, 40%	lb	1.05 : 1.25
NITRATE SODA, spot, See Sodium Nitrate		
Nitre Cake, bulk via.	ton	5.50 : 6.00
500 lb bbls.	ton	13.00 : 14.00

Nitrobenzene, crude, 1000 lb drs.		
via.	lb	.09 : .09 1/4
Redistilled, 1000 lb drs. via.	lb	.09 1/4 : .10 1/4
Nitrogenous Material	unit	3.20 : 3.25
Nitronaphthalene, 550 lb bbls.	lb	.30 : .31
Nitrotoluene, mixed 1000 lb drs.		
via.	lb	.14 : .15
Nutgalls, see Crude Drugs		
Oak bark, whole	ton	20.00 : 23.00
Ground	ton	35.00
Oak, tanks, via.	lb	.03 1/4 : .03 1/2
23-25% liq. 600 lb bbls. via.	lb	.04 1/4 : .04 1/2
Ochre	lb	.03 1/4
Oil Fuel, see Fuel Oil		
OIL MINERAL, wh. 50 gal. bbls.	gal	1.00 : 1.25
Oil Mirbane, see nitrobenzene		
Optium, see crude drugs		
Orange Mineral, 800 lb cans NY.	lb	.14
500 lb bbls. NY.	lb	.14
Ortho-Aminophenol, 50 lb kgs.	lb	2.40 : 2.50
Ortho-Amidine, 100 lb drs.	lb	3.00
Ortho-Dichlorobenzene, 1000 lb drs.		
via.	lb	.05 1/4 : .06
Ortho-Nitrochlorobenzene, 1200 lb		
drs. via.	lb	.37
Ortho-Nitrophenol, 350 lb	lb	1.00
Ortho-Nitrotoluene, 1000 lb drs.		
via.	@	.14 : .16
Ortho-Toluidine, 350 lb bbls.	lb	.20 : .22
Orange Orange, 51° liquid	lb	.06 1/4 : .07
Powd., 100 lb bags	lb	.13 1/4 : .14
Oxall, USP, 5 lb bot.	lb	2.00 : 3.00
Purified, 5 lb bot.	lb	1.50 : 2.50
Crude, 5 lb bot.	lb	.80 : 1.25
PALLADIUM, metal 10 oz. lots. on	oz	80.00 : 81.00
Pancreatin, USP 5 lb bot.	lb	1.25 : 1.40
Papsin, 10 lb bot. USP, Powd.	lb	2.15 : 2.25
Crude, 150 lb cans	lb	1.80 : 1.85
Paraffin, ref'd 200 lb cs. slabs		
123-127 Deg. M. P.	lb	.05 1/4 : .05 1/2

Pale Cresylic Acid

97-99%

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Chemicals

PARAFFIN (Cont.)			
128-132 Deg. M. P.06	.06%	
133-137 Deg. M. P.06%	.07	
138-140 Deg. M. P.07%	.07%	
Para-Aminoacetanilid, 100 lb			
kegs	1.10	1.15	
Para-Aminophenol, 100 lb kegs ..	1.16	1.25	
Hydrochloride, 100 lb keg ..	1.35	1.40	
Para-Dichlorobenzene, 150 lb bbls.			
wks. ....	.17	.20	
25-50 lb kegs .....	.18	.23	
Faraldehyde, 100 gal. drs. ....		.48	
Para-Cymene, Refd., 110 gal drs. gal	2.25	2.50	
Paraformaldehyde, USP, 100 lb cs. D	.42%	.45	
Para-Nitroacetanilid, 300 lb			
bbls. ....	.50	.55	
PANA-NITROANILINE, 300 lb bbls.			
wks. ton .....	.62	.65	
Para-Nitrochlorobenzene, 1200 lb drs.			
wks. ....	.20	.23	
Para-Nitro-ortho-Toluidine, 300 lb			
bbls.	2.75	3.35	
Para-Nitrophenol, 185 lb bbls. ....	.55	.58	
Para-Nitrosodimethylaniline, 120 lb			
bbls. ....	.95	1.00	
Para-Nitrotoluene, 350 lb bbls. ....	.40	.42	
Para-ox Bernaldehyde, 100 lb			
kegs	1.70		
Para-Phenetidin, 500 lb drs.	1.55	1.80	
Para-Phenylenediamine, 350 lb			
bbls.	1.25	1.30	
Para-Toluene-Sulfonamide, 175 lb			
bbls. ....	.40	.41	
Para-Toluene-Sulfonchloride, 410 lb			
bbls. wks. ....	.18	.30	
Para-Toluidine, 350 lb bbls. wks. D	.70	.75	
PARIS GREEN			
Arsenic Basis, 500 lb kegs ..	.21	.24	
Keps, 100 lbs .....	.32	.33	
Kils, 50, 28, 14 lbs .....	.34	.35	

PARIS GREEN (Cont.)			
Packages, 5 and 2 lbs. ....	.36	.37	
Packages, 1 lb, 1/2, 1/4 lb ....	.39	.43	
Paris White, see whitening, French			
Pepsin, USP, 5 lb bot.	2.25	2.50	
Persian Berries .....	.37	.39	
PETROLATUM, green 300 lb bbls. D	.02%	.03	
Dark Amber, 300 lb bbls. ....	.03%	.04	
Light Amber, 300 lb bbls. ....	.04%	.05	
Cream White, USP, 300 lb bbls. D	.07	.07%	
Snow White, USP, 300 lb bbls. D	.12%	.13	
Lily White, USP, 300 lb bbls. D	.09	.09%	
Phenol, see also acid carbolice			
Makers, 950 lb drums, spot. ....	.23	.24	
Small drums, 240-100 lb ..	.24	.26	
Open market, drums .....		.24	
240 lb drs. drs. wks. ....		.35	
Natural, 240 lb drs. drs. wks. D			
Phenolphthalein, USP, 100 lb drs. D	1.30	1.40	
5 lb cans, 100 lb lots	1.40	1.50	
Phenyl-Alpha-Naphthylamine 100 lb			
kegs	1.23	1.29	
Phenylethylalcohol, 1 lb bot. Dom D	8.00	10.00	
Imported	7.00	7.75	
Phenylethylmalonylurea, cz. plus. oz		5.50	
Phosgene, 100 lb cylinders			
Phosphate Acid, 16% Bulk wks. ton		9.50	
Phosphate Rock, f.o.b. mines			
Florida Pebble, 65%	2.15		
Florida Pebble, 70%	2.25		
Florida Pebble, 75-74%	3.75		
Tennessee, 72%	5.50		
Phosphorus Oxidechloride, 175 lb cpl. lb	.35	.40	
Phosphorus, red 110 lb cs., wks. D	1.00	1.10	
Imported, 112 lb cases .....	.68	.70	
Yellow, 110 lb cs., wks. ....	.32	.35	
Imported, 112 lb cases			
Phosphorus Trichloride, 175 lb cpl.			
wks. ....		.45	
Phthalic Anhydride, 100 lb bbls. D	.21	.23	

PILOCARPINE HYDROCHLORIDE, USP 25 oz.			
lots, 1 oz. vials.	4.00	4.50	
Nitrate, 25 oz.		4.00	
Single, oz.		4.50	
Alkaloid, 15 gr. vls. ....		.85	
Pine Oil, std. dist. bbls. ....		.66	
Destructive dist. ....		.63	
Piperazine Hydrate, 1 lb bot.		18.00	
Piperidine, 25 oz.	1.10	1.25	
Pitch, Coal-Tar, wks.	24.00	26.00	
Pitch, prime		5.50	
Plaster Paris, tech 250 lb bbls. bbl		3.30	
True Dental, 300 bbls.		4.50	
Platinum, metal soft 10 oz. lots. oz		119.00	
Podophyllin, 5 lb bot.	4.75	5.00	
Second Hands	4.35	4.45	
POTASH			
Pot. Muriate, basis, 80% bgs, ton		34.55	
Pot. Sulfate, basis, 90% bgs, ton		45.85	
Pble. Manure Salts, basis 48%			
bgs.		26.35	
Manure Salts, basis, 30% bulk, ton		17.03	
Manure Salts, basis, 20% bulk, ton		10.55	
Kalmit, basis, 12.4% bulk, ton		7.75	
Bulk in bags, \$2.00 extra.			
Prices c.i.f. Atlantic & Gulf Ports.			
Discounts, 50 tons, 5%; 500 tons, 10%.			
POTASH, CAUSTIC, solid 88-92%			
700 lb drs. wks. ....	.07%	.07%	
Imp., 88-92% 700 lb drs. NY. D	.07%	.07%	
USP, by alcohol 5 lb cans. ....	.46	.48	
cases .....	.30	.35	
POTASSIUM Acetate, USP, 100 lb			
kegs .....	.29	.30	
Second Hands, kegs .....	.28	.28	
Bicarbonate, crys. 320 lb bbls. D	.10	.11%	
Bichromate, crys., 900 lb casks. D	.08%	.08%	
Powd., 900 lb casks, wks. D	.11	.12	
Binoxalate, 300 lb bbls. ....	.19	.20	
Import, 112 lb bbls.18	.19	

Largest producers of Pure Phthalic Anhydride in the world



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Brand PHTHALIC ANHYDRIDE

is the Product by which all other
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THE SELDEN COMPANY

Pittsburgh, Pa., U. S. A.

Chemicals

POTASSIUM (Cont.)			POTASSIUM (Cont.)			QUININE SULFATE, USP.		
Bisulfate, C.P., 5 lb cans....	D	.20	Muriate, 80%, 200 lb bags, NY		.63	Java, 100 oz. tins.....	oz	.50
100 lb kegs.....	D	.22	K ₂ O unit			Japanese, 100 oz. tins.....	oz	.50
Bromate, 100 lb ca.....	D	.85	Nitrate, see Scltetre			Acetate.....	oz	.88
BROMIDE, USP, crys., 450 lb			Oxalate, neutral 100 lb kegs....	D	.19	Arsonate.....	oz	.88
bbis.....	D	.49	Perchlorate, 112 lb kgs. Mch.-Apr. D		.12 1/2	Benzozate.....	oz	.88
Granular, 200 lb bbis.....	D	.48	PERMANGAN, USP, crys. 500 lb		.15	Bisulfate, USP.....	oz	.50
Cases, 100 lb.....	D	.50	& 100 lb dra. wks....	D	.14 1/4	Citrate.....	oz	.62
Imported, USP, 220 lb ca....	D	.38	Imp., 113 lb dra. wks....	D	.15 1/4	Dihydride, USP.....	oz	.66
CARBONATE, 80-85% calc.			Prussiate, red, 500 lb casis. D		.36 1/4	Dihydride.....	oz	.66
800 lb cks.....	D	.05 1/4	Prussiate, yellow, 500 lb casis. D		.18 1/4	Dicarbonate, 10 oz. tins.....	oz	2.50
80-85%, hydrated, 800 lb			Salicylate, 25 lb cans.....	D	.60	Ethyl Carbonate, 16 oz. tins. oz		.91
cks.....	D	.05 1/4	Sulfate, 260 lb kgs, NY K ₂ O unit		.85	Ferrocyanide.....	oz	.88
90-95% calc. casis.....	D	.06	USP VIII, 100 lb kgs.....	D	.18	Formate.....	oz	.85
96-98% calc. casis.....	D	.06 1/4	Sulfocyanide, CP 25 lb jars....	D	.50	Glycerophosphate.....	oz	.88
98% calc. casis.....	D	.07	Tartrate, neutral, 100 lb kegs. D		.51	Hydride.....	oz	.88
USP, 100 lb kegs.....	D	.10 1/4	Titanium Oxalate, 200 lb bbis. D		.19	Hydrobromide, USP.....	oz	.62
90% C.P., casis.....	D	.12 1/4	Prussian blue.....	D	.45	Hydrochloride, USP.....	oz	.62
Chlorate, crys., 112 lb kgs. c/l			Pumice Stone, lump, 250 lb bbis. D		.04 1/4	Hydrochlorosulfate.....	oz	.66
wks.....	D	.08 1/4	Lump, bags.....	D	.05	Hypochloride & Urea, USP.....	oz	.88
Imp. 112 lb kegs, NY.....	D	.07 1/4	Powdered, 350 lb bbis.....	D	.02 1/4	Hypophosphite.....	oz	.88
Powd., 112 lb kegs, wks....	D	.08 1/4	Pyridine, 50 gal. drum.....	gal	4.20	Lactate.....	oz	.78
Imp., kegs, NY.....	D	.07 1/4	QUEBRACHO, 35% liquid tins. D		.03	Phenylsulfonate.....	oz	.88
Gran. Imp. 112 lb kgs NY....	D	.10 1/4	450 lb bbis.....	D	.03 1/4	Phosphate.....	oz	.74
Pyrotechnic, fine powd. NY....	D	.07	35% bleaching, 450 lb bbis. D		.04 1/4	Salicylate, USP.....	oz	.63
USP, fine crys. 110 lb bags			Solid 65%, 100 lb bales.....	D	.05	Tannate, USP.....	oz	.45
NY.....	D	.14	Clarified, bales.....	D	.05	Tartrate.....	oz	.88
Chloride, crys., bbis.....	D	.04 1/4	Quedatron, 51° 450 lb bbis....	D	.06 1/4	Valerate.....	oz	.89
Citrate, USP, 50 lb.....	D	.60	Powdered, 100 lb boxes.....	D	.10 1/4	Small Sizes: 1 oz vials or cans,		
Cyzalide, 110 lb cases.....	D	.58	Quercitron bark, rough.....	ton	14.00	50cm. lots, 5c oz extra; 5oz cans,		
Glycerophosphate, 75% soln. 25 lb			Ground.....	ton	34.00	50cm lots 2c oz extra; 25oz cans,		
tins.....	D	1.35	QUICKSILVER, see Mercury			50cm lots, 2c oz extra; single 1oz		
Gualacol Sulfonate, 5 lb cans			Quindine Alk., 100 oz. tins.....	oz	.75	vials or cans, 5c extra. All minor		
10 lb.....	D	2.00	Sulfate, 100 oz. tins.....	oz	.50	quinine salts sold and quoted basis		
Hypophosphite, 10 lb cans....	D	.80	quinoidine, see Chinoidin			100cm lots in 100cm cans. Sulfate		
Iodide, USP, 100 lb cases.....	D	3.45	QUININE SULFATE, USP.			and bisulfate sold basis 100cm		
Lactophosphate, 4 oz. bot.....	oz	.90	American, 100 oz. tins.....	oz	.50	lots in 100cm cans. Smaller orders		
Metabisulfite, 300 lb bbis....	D	.18	1oz tins, 100cm lots.....	oz	.57	or containers extra as above		
Imp., 550 lb bbis.....	D	.09	Dutch, 100cm tins.....	oz	.50	schedule.		

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* SALT, 250 lb bbls., wks....	.47	: .49
Red Lead, see lead oxide		
Red Precipitate, see mercury		
Resorcin, see resorcinol		
Resorcinol tech., 100 lb kgs....	1.35	: 1.50
USP, 25 lb cans.....	2.35	: 2.35
Retchelle Salt, USP, 225 lb bbls..	.20	: .21
Imp. USP, 300 lb bbls.....	.18 1/4	: .19
Triswater, triple, 5 gal. demis. gal.	.90	: 1.10
Rosins, (Sold in 600 lb bbls., gross for net,		
B.....	.280 lb	... : 8.20
D.....	.280 lb	... : 8.25
E.....	.280 lb	... : 8.25
F.....	.280 lb	... : 8.25
G.....	.280 lb	... : 8.25
H.....	.280 lb	... : 8.30
I.....	.280 lb	... : 8.35
K.....	.280 lb	... : 8.60
M.....	.280 lb	... : 9.00
N.....	.280 lb	... : 9.30
WG.....	.280 lb	... : 9.50
WW.....	.280 lb	... : 10.60
(Sold in 600 lb bbls., gross for net, quotations based on a unit of 280 lb.).		
Rosin Oil, first run, 50 gal. bbls. gal.	.48	: .50
Second run, bbls.....	.51	: .52
Rotten Stone, lump imp., bbls. lb	.07	: .08
Lump selected, bbls.....	.09	: .12
Powdered, bbls.....	.02	: .05
Domestic, bags, minis.....	24.00	: 30.00
SACCHARIN, USP, 10 lb cans, 25 lb	.175	: 1.85
Soluble, USP, 10 lb cans, 25 lb.	.175	: 1.85
Sago Flour, 150 lb bags.....		: .05
Sal Ammonia, see Ammon. Chloride		
Sallein, USP, 1 lb cartons, 25 lb. lb	4.75	: 5.00
Saleol, USP, 100 lb drums.....	.75	: .80
Salt, Common, see sodium chloride		
Salt Cake, c/l f.o.b. wks.....	12.00	: 22.00
SALTPETRE, Double Refined		
Granular, 400-500 lb bbls.		
c/l wks.....		: .06

SALTPETRE (Cont.)

Less c/l works, bbls....	.06 1/4	: .06 1/4
Large Crystals, 350-400 lb bbls.,		
c/l wks.....		: .07 1/4
Small Crystals, 350-400 lb bbls.,		
c/l wks.....		: .07
Powdered, bbls, c/l wks.....		: .07
Imported, 500 lb bbls. NY....	.05 1/4	: .06 1/4
Santonin, USP, 1 lb bot.....	155.00	: 158.00
Powd. 1 lb bot.....	158.00	: 162.00
Saponin, ex Quillaja, 5 lb tins..	.90	: 1.00
Satin White, 500 lb bbls.....		: .01 1/4
Schaeffer's Salt, 250 lb bbls.wks.	.60	: .65
Scopolamine, see hyoscyne.		
Sedlitz Mixture, 225 lb bbls. .	.16 1/4	: .16 1/4
SILICA		
Crude, bulk, minis.....	10.00	: 12.00
Refined, bagged, bags.....	18.00	: 30.00
Air foated, bags.....	32.00	: 50.00
Extra foated, bags.....	55.00	: 85.00
SILVER, metal, American.....	.68 1/4	: .68 1/4
Colloidal, 16 oz. bot.....		: 2.80
Silver Iodide, 16 oz. bot.....		: .80
Nitrate, 16 oz. bot.....	.46 1/4	: .46 1/4
Nucleinate, 16 oz. bot.....	.34	: .38
Proteinates, 16 oz. bot.....	.34	: .38
Soap, Castile, 40 lb bbs.....	.20	: .25
Powd. USP, 250 lb bbls.....	2 1/2	: 2 1/2
Green, USP, 150 lb kegs.....	.07	: .07 1/4
Soapstone, see Talc. crude		
SODA ASH, 58% light		
1-4 bags deliv'd NY.....	100 lb	... : 2.19
5 & Up bags deliv'd NY.....	100 lb	... : 2.00
1-4 bbls. deliv'd NY.....	100 lb	... : 2.44
5 & Up bbls., deliv'd NY.....	100 lb	... : 2.20
Contract, Basis 58% bags c/l		
wks.....	100 lb	... : 1.38
Prompt and spot, Basis 58% bags		
c/l wks.....	100 lb	... : 1.48
Contract Basis 58% dense bags		

SODA ASH (Cont.)

c/l wks.....	100 lb	... : 1.45
Pmpt. and spot, Basis 58% bags		
c/l wks.....	100 lb	... : 1.50
SODA, CAUSTIC, 76% solid		
1-4 drums deliv'd NY.....	100 lb	... : 3.91
5 & Up drums deliv'd NY.....	100 lb	... : 3.76
Ground & Flake, 76%		
1-4 drums, deliv'd NY.....	100 lb	... : 4.31
5 & Up drums deliv'd NY.....	100 lb	... : 4.14
1-4 bbls. deliv'd.....	100 lb	... : 4.56
5 & Up bbls., deliv'd.....	100 lb	... : 4.41
Contract basis 76% c/l wks	100 lb	... : 3.10
Pmpt. and spot, Basis 76%		
c/l wks.....	100 lb	... : 3.20
Contract 74% low grade c/l		
wks. flat.....	100 lb	... : 3.02
Ground & flake, 76% pmpt. and		
spot, wks. c/l drs.....	100 lb	... : 3.50
Contract 76% drums c/l wks.		
flat.....	100 lb	... : 3.50
USP, stick, 10 lb cans.....	.10	: .21
Pure, stick, by alcohol.....	.25	: .27
SODIUM ACETATE, crys. 450 lb bbls.		
wks.....	.05 1/4	: .06
Aluminate, 500 lb bbls., wks..	.07 1/4	: .08
Aluminum Sulfate, see alum. soda		
Arsenite, 4 lb mat. wks. drums. gal	.50	: .60
Drums, 8 lb material, wks. gal	1.00	: 1.30
Benzoate, USP, 100 lb bbls..	.62	: .65
Resalts.....	.61	: .62
Bicarbonate, 400 lb bbls. NY.....	100 lb	... : 2.25
Bbls. c/l wks.....	100 lb	... : 2.00
112 lb kegs, wks.....	100 lb	... : 2.25
112 lb kegs, NY.....	100 lb	... : 2.50
Bichromate, 600 lb casks wks..	.08 1/4	: .07
Casks, c/l NY.....	.08 1/4	: .07
Casks, NY.....	.08 1/4	: .06 1/4
Bisulfite, dry powder, 500 lb		
bbls., wks.....	.04	: .04 1/4

Soda Ash

Bicarbonate of Soda

Caustic Soda

Modified Soda

Special Alkali



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Chemicals

SODIUM—(Continued)

BROMIDE, USP, 450 lb bbls.48	: .49
Caem, 50 lb48	: .49
Imp. USP, 112 ca.40	: .42
Bromate, 100 lb ca. . . . .	...	: 1.15
Cacodylate, USP, 25 lb . . . . .	...	: 6.00
5 lb bot.	5.90	: 6.00
Carbonate, cal soda, 350 lb bbls. . . . .	...	: 2.40
le/l NY	1.30	: 1.35
Works c/l	1.10	: 1.30
Monohydrate, 400 lb bbl. . . . .	...	: 2.40
le/l NY . . . . .	...	: 2.40
Pure photographic 100 lb . . . . .	...	: .08
Chlorate, 112 lb kegs, wks. . . . .	.06 1/4	: .06 1/2
Imported, 112 lb kegs . . . . .	.06 1/4	: .06 1/2
Chloride, tech	12.00	: 13.00
C. P., 300 lb bbls. . . . .	.05	: .06
Chromate, 800 lb bbls. . . . .	...	: .08
Citrate, USP, 11, 50 lb kegs. . . . .	...	: .59
USP, VIII, 50 lb kegs. . . . .	...	: .52
Cyanide, 96-98%, 100 lb cases . . . . .	...	: .22
75-76%, 100 lb cases, wks. . . . .	...	: .22
125-126%, 200 lb ca. . . . .	.20	: .20 1/2
120-125%, 200 lb ca. . . . .	.17	: .18
118-120%, 200 lb ca. . . . .	.16	: .17
Fluoride, 300 lb bbls., wks. . . . .	...	: .09
Imp. 350 lb bbls. . . . .	.09	: .09 1/2
Glycerophosphate, USP, cryst., 25 lb	1.40	: 1.50
Powder, 25 lb tins	1.45	: 1.60
Sol tion, USP, 25 lb tins.	1.05	: 1.15
Hydroxide, see Soda Caustic	...	: .05
Hypochlorite, Soln., 100 lb chys. . . . .	...	: .04
14 1/4% soln., 50 lb chys. . . . .	...	: .22
Hydromelite, 200 lb bbls, rob, wks. . . . .	.22	: .24
For Stripping, 50 lb cases. . . . .	.35	: .40
Hypophosphite, USP, 25 lb cases . . . . .	.70	: .75

SODIUM—(Continued)

HYPOSULFITE, tech. pea crys.	2.65	: 3.05
375 lb bbls., wks. . . . .	...	: 2.50
Bbls., c/l wks. . . . .	...	: 2.75
100 lb kegs, wks. . . . .	...	: 2.90
Imp. . . . .	...	: 2.40
Regular crys., bbls. wks. . . . .	...	: 2.40
Bbls., c/l wks. . . . .	...	: 3.00
Kegs, wks. . . . .	...	: 2.35
Imp. . . . .	...	: 4.25
Iodide, USP, 25 lb jars . . . . .	...	: .55
Metasilicate, 150 lb bbls. . . . .	...	: .57
Naphthionate, 300 lb bbls. . . . .	...	: 2.66
Nitrate, crude, 95%, 200 lb bgs. . . . .	...	: 2.67
c/l NY . . . . .	...	: .04 1/4
Future, NY . . . . .	...	: .05 1/4
Double Redned 400 lb bbls . . . . .	...	: .09
gran. c/l wks. . . . .	...	: .09 1/2
Powdered, bbls. c/l wks. . . . .	...	: .25
Nitrite, 500 lb bbls., spot makers . . . . .	...	: .39
Imp. 650 lb cases. . . . .	...	: .23
Ortho-Chloro-Toluene Sulfonate, . . . . .	...	: .22
175 lb bbls., wks. . . . .	...	: .22
Oxalate, neutral, 100 lb kegs. . . . .	...	: .25
Perborate, 275 lb bbls. . . . .	...	: .03 1/4
Imp. 225 lb drs. . . . .	...	: .07
Peroxide, 200 lb cases . . . . .	...	: .05 1/4
Phosphate, di-sodium, tech. 350 lb . . . . .	...	: .08
Bbls. . . . .	...	: .30
USP, gran. 275 bbls. . . . .	...	: .04
Imp. gran. . . . .	...	: .04
USP, Cryst., 275 bbls. . . . .	...	: .31
Monosodium, 100 lb kegs. . . . .	...	: .24
Tri-sodium, tech., c/l bbls. . . . .	...	: .40
Picramate, 100 lb kegs . . . . .	...	: .37
Para-Toluene Sulfonate, 175 lb . . . . .	...	: .11
bbls. . . . .	...	: .10 1/4
PRUSSIAN, yellow, 350 lb bbls. . . . .	...	: .26
wks. . . . .	...	: .40
Imp. 450 lb chs. . . . .	...	: .40
Pyrophosphate, 100 lb kegs. . . . .	...	: .40
Sulphate, 100 lb kegs . . . . .	...	: .40
Second Hands, USP, kegs. . . . .	...	: .40

SODIUM—(Continued)

Silicate, 60° 700 lb bbls., f.a.s. . . . .	...	: 2.00
NY . . . . .	...	: 1.70
Works, 1000 lb drs. . . . .	...	: 1.60
Works, tanks . . . . .	...	: .80
40° domestic, 700 lb c/l f.a.s. . . . .	...	: .85
wks. . . . .	...	: .75
Works, 1000 lb chs. . . . .	...	: 1.50
Works, tanks . . . . .	...	: 1.60
Spot, drs., bbls . . . . .	...	: .04 1/4
Sulfocarbonate, 450 lb bbls, NY. . . . .	...	: .04
Sulphate, see Glauber's Salt	...	: .03 1/4
Sulfate, Anhydrous, 550 lb bbls. . . . .	...	: .02 1/4
c/l wks. . . . .	...	: .04
Imp. 250 lb bbls. . . . .	...	: .03 1/4
Sulfide, 66% solid, 650 lb drs., . . . . .	...	: .04
le/l wks. . . . .	...	: .03 1/4
Dras. c/l wks. . . . .	...	: .04
Imp. 700 lb drs. NY. . . . .	...	: .02 1/4
60% broken, 650 lb drs. wks. . . . .	...	: .02 1/4
Imp., 500 lb drs., NY. . . . .	...	: .03 1/4
30% crys. 440 lb bbls, wks. . . . .	...	: .10
Imp. 400 lb bbls. . . . .	...	: .32
Sulfite, crys. 400 lb bbls. wks. . . . .	...	: .45
Anhydrous, 400 lb bbls. . . . .	...	: .55
Sulfocarbonate, USP, 100 lb kegs. . . . .	...	: .35
Sulfocyanide, 400 lb bbls. . . . .	...	: .60
Tungstate, crys 100 lb kegs. . . . .	...	: .75
Anhydrous, kegs . . . . .	...	: .30
SOLVENT NAPHTHA, 110 gal . . . . .	...	: .35
dras. wks. . . . .	...	: .40
8000 gal. tank cars, wks. gal . . . . .	...	: .67
Spartein Sulfate, USP, 25oz. bulk. . . . .	...	: .94
Single oz. vial . . . . .	...	: .84
Spirits Turpentine, bbls. . . . .	...	: .01
Stm. dist. . . . .	...	: .02
Spruce, 25% liquid tanks, wks.	: .09
Powd. 50% 100 lb bags wks.	: .10
Starch, rice, 140 lb bags.	: .10



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users is on a par with the quality
of "Wyandotte" products. A care-
ful development of facilities and
organization enables us to meet
unusual demands as promptly as
we satisfy ordinary requirements.

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COLD SPRINGS WINTERGREEN DISTILLERY
Mountain City, Tenn.

Chemicals

STARCH, powd. 140 lb bgs. c/100 lb	4.07	4.17
Bags, 1c/1	...	4.27
Pearl, 140 lb bgs. c/100 lb	...	3.97
Bags, 1c/1	...	4.17
Potato domestic, 200 lb bags..b	.05	.05%
Imported, bags duty paid..b	.05%	.07
Wheat, dom. ....b	.05%	.06%
Imp. ....b	.05%	.07
Sol. Potato ....b	.07	.07%
Steamed Bone Meal, 3 & 50 Baiton	27.00	27.30
STRONTIUM Bromide, USP, 50 lb		
bags	.51	.52
Carb. 600 lb bbls. wks. ....b	...	.41
100 lb bgs. wks. ....b	...	.08
Iodide, USP, 35 lb bgs. ....b	...	4.90
Nitrate, 600 lb bbls., wks. ....b	.10	.10%
Imp., bbls., NY. ....b	.09	.09%
Salicylate, USP, 160 lb bgs. ....b	.75	.80
STRYCHNINE Alkaloid, USP, crys.		
100 gm. tins. ....c	...	.81
Alk. powd., USP	...	.71
Acetate	...	.80
Glycerophosphate, USP	...	.80
Hydrobromide	...	.80
Hydrochloride	...	.80
Hydrophosphate	...	.80
Nitrate, USP	...	.80
Phosphate	...	.80
Sulfate, USP, crys. powd. ....c	...	.87%
Saccharinate	...	1.93

Strychnine preparations quoted bases
1000s lots in 1000s tins. Small sizes;
1/2 oz vials, 50c extra; 1/4 oz vials, 35c
extra; single ounce vials, 75c extra. Loss
of 25 cm. to higher than above
schedule. Lots of less than 25 cm.
10c higher per oz.

Sugar Coloring (See Caramel)

Sugar Milk, USP, 200 lb bbls.b .21 | .21% |

Second Hands, USP, bbls.b .19 | .20 |

Sulfonal, see Sulfonmethane

Sulfonethylnmethane, USP, 10 lb bbs.b 2.35 | 4.05 |

Sulfonmethane, USP, 10 lb bbs.b 2.65 | 2.85 |

SULFUR

Crude, f.o.b. mines	14.00	15.00
Brimstone, 250 lb bags, c/100 lb	1.75	1.95
Less c/1 bags NY	1.85	2.10
Roll, 500 lb bbls. c/1 NY	2.20	2.15
Less c/1 bags NY	2.20	2.45
Flour, Heavy, 290 lb bbls, 100 lb	2.50	3.05
Light, 100%, 260 lb bbls, 100 lb	2.60	3.15
Rubbermakers 100%, 240 lb		
bbls, NY	2.50	3.30
Commercial, 99%, 150 lb bgs.		
NY	1.35	1.65
For Duxing, 99%, 100 lb		
bgs. NY	2.00	2.50
Flowers, 100%, 240 lb bbls.		
NY	3.00	3.55
Precipitated, 125 lb bbls NY	.14	.17
Lac, 125 lb bbls NY	.07	.10
Sulfur Chloride, red, 700 lb drs.		
wks. ....b	.05%	.06
150 lb clys., wks. ....b	...	.07
Yellow, 700 lb drs. wks. ....b	.04%	.05
150 lb clys., wks. ....b	...	.06
Sulfur Dioxide, 100 lb cyl. ....b	.08	.08%
Iodide, USP, VIII, 5 lb bot. ....b	...	4.55
Sulfuric Ether, see Ether		
Sulfuryl Chloride, 600 lb drs. ....b	.65	.70
Sumac, liquid, 450 lb bbls. ....b	.06	.07%
Stainless, 600 lb bbls. ....b	.11	.12
Sumac, Sicily, 160 lb bags. ....ton	168.00	175.00
Virginia, 150 lb bags	55.00	60.00
Destructive, distilled, bbls. ....gal	.68	.70
TALC, Italian 220 lb bags NY. ....ton	40.00	50.00
Refined, white, bags. ....ton	50.00	55.00
French, 220 lb bgs., NY. ....ton	30.00	35.00
Refined, white, bags. ....ton	38.00	45.00
Dom., crude, 100 lb bags NY. ....ton	12.00	15.00
Refined, 100 lb bgs. NY. ....ton	16.00	18.00
Tanbaga, ground, NY	...	3.75
High grade f.o.b. Chicago. ....unit	3.10	4.10
Tapioca Flour, high grade bags. ....b	.05%	.06
Medium grade bags. ....b	.04%	.05%
Low grade. bags. ....b	.03%	.04%
High grade	32.00	40.00

Tar, Coal Gas, Tks. wks. ....gal	.06	.08
Coke Oven, Tks., wks. ....gal	.07	.08
Water Gas, Tks., wks. ....gal	.06	.08
Tar, kiln-burnt	...	13.50
Retort	...	18.50
Tartar Emetic, tech. 700 lb bbls. ....b	.26	.27
USP, 800 lb bbls. ....b	.31	.34
Terpin Hydrate, USP, 100 lb bgs. ....b	.50	.55
Terpineol, CP 1000 lb drums. ....b	.43	.50
Cane, 50 lb	.53	.57
Imported, cane, 25 lb	.95	1.20
Terpinyl Acetate, 25 lb cans. ....b	1.65	1.85
Terra Alba, No. 1, 300 lb bbls. ....b	1.85	1.90
No. 2, bbls. ....b	1.25	1.35
Theobromine Alk., 5 lb cans. ....b	3.60	3.55
and Sod. Salicylate, 1 lb bot. ....b	...	2.92
Thiocarbamid, 170 lb bbls. ....b	.27	.29
Thymol, USP, 25 lb tins. ....b	4.50	4.75
TIN, Metal Straths, NY	...	57.25
Iodide, 5 lb boxes	7.25	7.50
American standard, NY, 100 lb	...	55.35
99% American, NY	...	55.75
Bichloride, 50% soln. 100 lb	...	.18
bbls., wks. ....b	...	.39%
Crystals, 500 lb bbls., wks. ....b	...	.41
100 lb kegs, wks. ....b	...	.61
Oxide, 300 lb bbls., wks. ....b	...	.63
100 lb kegs, wks. ....b	...	.32%
Tetrachloride, 1000 lb drs. wks. ....b	.13	.14
Titaniun Oxide, bbls., wks. ....b	.80	.84
Tolidine, 850 lb bbls. ....b	.80	.85
Sulfate, 350 lb bbls. ....b	...	.28
Toluene, 8000 gal. tank cars, wks. gal	...	.81
illegal. drs. wks. ....gal	.31	.32
Tolidine, Mixed, 900 lb drs. wks. ....b	...	.37%
Triacetin, 50 gal. drs., wks. ....b	...	1.00
Tribromophenol, 100 lb cases. ....b	...	.73
Trional, see Sulfonethylnmethane75
Triphenylguanidine55
Triphenyl Phosphate, 450 lb bbls.b	...	

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Chemicals

Trippoli, 500 lb bbls.....100 lb	2.50	3.00
Tungsten NY.....WO ₂ unit	8.80	
T key Red Oil, bbls.....lb	.11	.12
Turpentine, see Spirits Turpentine		
Wood, see Wood Turpentine		
Ultramarine Blue.....lb	.15	.25
UREA, pure, 112 lb cases.....lb	.18	.20
Valonia Caps 30-31% tan.....ton	37.00	
Beard, 42% tan, bgs.....ton	54.00	55.00
Mixtures, 36% tan.....ton	43.00	
VANILLIN, USP, 500 oz. cans.....oz	49 1/4	
Cans, 80 ozs.....oz	.50	
Cans, 16 ozs.....oz	.51	
Second Hands.....oz	.47	.50
Venetian Red.....lb	.05	
Verdigris, see Copper Subacetate		
Vermillion, Amer. 100 lb kegs.....lb	.35	.40
English, kegs.....lb	1.35	1.40
Veratrine Sulfate, 1 oz vial.....oz	1.85	
Hydrochloride, 1 oz vial.....oz	1.85	
Veronal, see Acid Diethylbarbituric		
Wattle Bark, bgs.....ton	43.50	nom.
WHITE LEAD, see lead, white		
White Precipitate, see mercury		
Whiting, 200 lb bags, c/l wks.....ton	13.00	15.00
Bags, 1c/l NY.....ton	18.00	
Gilders, bags, NY.....ton	13.50	15.00
French, bags, NY.....ton	18.00	
English, bags, NY.....ton	21.00	23.00
Witch Hazel Extract, 50 gal. bbls.gal	1.00	1.05
Wood Turpentine, stm. dist. bbls.gal	.82 1/2	.85
XYLENE, 3° dist range, nitration		
110 gal. drs. NY.....gal	50	
5° dist. range, 8000 gal. tanks		
wks.....gal	.35	
110 gal. drs. wks.....gal	.40	
10° dist. range, drums, wks.....gal	.35	
Tanks, wks.....gal	.30	
Commercial, 110 gal drs., wks.gal	.31	
Tanks, wks.....gal	.28	
Xylidine.....lb	.40	.42

YARA YARA, 1 lb time.....lb	1.85	1.80
Yohimbin Hydrochloride, 1 oz. vial.....oz	4.50	
Yolk Oil, bbls.....lb	.35	
ZINC, METAL, high grade, slabs		
c/l NY.....100 lb	8.25	
Common Slabs, c/NY.....100 lb	7.92 1/2	7.95
Moway, 25 lb lms NY.....lb	.14	
Ammonium Chloride, powd., 400 lb bbls.....lb	.07 1/2	.08
Carb. tech., 150 lb kegs NY.....lb	.14	
USP, 100 lb kegs.....lb	.38	
Chloride, fused, 600 lb drs. wks.....lb	.06 1/2	.07
Drs. c/l wks.....lb	.06	
Granulated, 500 lb bbls, wks.....lb	.07	.07 1/2
Imported, drs., NY.....lb	.07 1/2	.07 1/2
Solution, 50%, tanks wks.....lb	2.25	2.50
USP, 25 lb jars.....lb	.27	.29
Cyanide, 100 lb drs.....lb	.40	.41
Dust, 100 lb time, wks.....lb	.10 1/2	.10 1/2
500 lb bbls., kegs, 1c/l wks.....lb	.10 1/2	.10 1/2
500 lb bbls., kegs, c/l wks.....lb	.09 1/2	.09 1/2
Iodide, 5 lb pots.....lb	5.23	
Nitrate, 25 lb jars.....lb	.45	
Oxide, Amer. 300 lb bbls, wks.....lb	.08 1/2	.08 1/2
French, 300 lb bbls wks.....lb	.10 1/2	.12 1/2
Bbl c/l wks.....lb	.09 1/2	.11 1/2
Bags, c/l wks.....lb	.09 1/2	.10 1/2
Ton lots, wks.....lb	.20	
USP 100 lb bbls, c/l.....lb	.19 1/2	.19 1/2
Imported, white seal, bbls.....lb	.12	
Green seal, bbls.....lb	.10	
USP 100 lb bbls.....lb	.15 1/2	.16
Stearate, USP, 50 lb bbls.....lb	.20	.20 1/2
Rosales.....lb	.17 1/2	.18
Sulfate, 400 lb bbls, wks.....lb	.03 1/2	.03 1/2
Bbls, c/l wks.....lb	.03	
USP, 100 lb kegs.....lb	.08	.09
Sulfide, 500 lb bbls.....lb	.30	.33
Sulfocarbonate, 100 lb kegs.....lb	.30	.32
wks.....100 lb	1.25	1.75
Zirconium, oxide, pure.....lb	.45	.50
Semi-ref'd, bgs.....lb	.08	.10
Natural, bgs.....lb	.02 1/2	.03

Oils - Fats

Castor, No. 1, 400 lb bbls.....lb	.17 1/2	.18
80 lb cases.....lb		.18 1/2
No. 3, bbls.....lb	.17	.17 1/2
Blown, 400 lb bbls.....lb		.19
China Wood, bbls. spot NY.....lb	.13 1/2	.14
Tanks, Spot, NY.....lb		.13
Feb. forw. arr. NY bbls.....lb		.14
Cst. tks., Feb. forw.....lb		.12
Cocunut, Ceylon, 375 lb bbls, NY.....lb	.10	.10 1/2
8000 gal. tanks, NY.....lb		.09 1/2
Cochin, 375 lb bbls., NY.....lb	.11	.11 1/2
Tanks, NY.....lb		.10 1/2
Madia, bbls., NY.....lb		.10 1/2
Tanks, Pacific Coast.....lb		.08 1/2
Edible, bbls., NY.....lb	.12 1/2	.13
Cod Newfoundland, 50 gal. bbls.gal	.62	.65
Tanks, NY.....gal	.55	.57
Cod Liver, see Cod Liver Oil under Chemicals		
Copra, bags.....lb	.06	.06 1/2
Corn, ref., 375 lb bbls. NY.....lb		.12 1/2
Crude, tanks mills.....lb	.09	.09 1/2
Bbls., NY.....lb	.11	.12
Cottonseed, crude, tks., mill.....lb	.08 1/2	.09
P. S. Y., 100 bbls., NY.....lb	.10 1/2	.10 1/2
White, 100 bbls. lots, NY.....lb		
Winter yellow, 100 bbls., NY.....lb	.13	.13 1/2
Degras, Amer. 50 gal. bbls., NY.....lb	.04 1/2	.04 1/2
Englab, light, bbls., NY.....lb		.05 1/2
Brown, bbls., NY.....lb	.04	.04 1/2
Light brown, bbls., NY.....lb	.04 1/2	.05
Dark, bbls., NY.....lb	.03 1/2	.04
Neutral, bbls., NY.....lb	.10	nom.
Moellon, bbls., NY.....gal		.50
Greases choice white, bbls. NY.....lb	.11	.11 1/2
Yellow.....lb		.08 1/2
Brown.....lb		.08 1/2
Home.....lb		.08 1/2
Bone naphtha.....lb		.07



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Columbia Chemical Division,
Pittsburg Plate Glass Co., Barberton, Ohio

Caustic Soda

All Tests

Soda Ash

Dense-Light
Granular if Desired

Sole Selling Agents

The Isaac Winkler & Bro. Co.50 BROAD STREET
NEW YORKFIRST NAT'L BANK BLDG.
CINCINNATI

Oils - Fat

Herring, Tanks, Coast	gal	...	nom.
Howe, STD bbls., NY	b	...	nom.
Lard, prime steam, bbls.	b	15½	.18
Compounds, bbls.	b	...	.18
LARD OIL, Edible, prime, bbls.	b	...	.18½
Off prime, bbls.	b	...	.18½
Extra, bbls.	b	...	.14½
Extra, No. 1, bbls.	b	...	.18½
No. 1, bbls.	b	...	.15
No. 2, bbls.	b	...	.12½
LINSEED, raw, c/l bbls., spot	gal	...	1.12
Five bbls., raw	gal	...	1.15
Tanks, raw	gal	...	1.06
Boiled, 5 bbl. lots	gal	...	1.18
Double Boiled, 5 bbl. lots	gal	...	1.19
Feb., c/l wks.	gal	...	1.12
Mar., Apr., c/l wks.	gal	...	1.13
May-Aug., c/l wks.	gal	...	1.14
Imported, bbls., NY	gal	...	...
Tanks, NY	gal	...	...
Menhaden, crude, bbls., wks.	b	...	nom.
Crude, tanks, Balt.	gal	...	nom.
Light strained, bbls., NY	gal	.80	.82
Yellow, bleached, bbls., NY	gal	.83	.85
Extra bleached, bbls., NY	gal	.85	.87
Blown, bbls., NY	b	...	.11
Nestsfoot, 20° c.t. bbls., NY	b	...	.18½
Pure, bbls., NY	b	...	.15½
Extra, bbls., NY	b	...	.13½
No. 1, bbls., NY	b	...	.13
Oil Oil, No. 1, bbls., NY	b	...	.12
No. 2, bbls., NY	b	...	.11
No. 3, bbls., NY	b	...	.10
OLIVE, denatured, bbls., NY	gal	1.80	1.85
Edible, bbls., NY	gal	2.00	2.30
Foots, bbls., NY	b	.09½	.09%
Shipments, new crop	b	.09%	.09%
Palm Lard, 1500 lb casks	b	.09½	.10
Niger, casks	b	.08½	.08%
Boony old Calabar, casks	b	.08%	nom.

Palm Kernel, bbls., NY	b	.10	.10½
Peasut, refined, bbls., NY	b	.14	.15
Crude, mts. bags	b	...	...
Crude, bbls., NY	b	...	.11½
Perilla, bbls., NY	b	.15½	nom.
Poppyseed, bbls., NY	gal	2.25	2.50
Rapeseed, refined, bbls., NY	gal	.92	.93
Blown, bbls., NY	gal	...	1.14
Red Oil, distilled, bbls.	b	...	.11½
Saponified, bbls.	b	...	.11½
Tanks	b	...	.11
Salmon, 8000 gal. the Coast	gal	...	...
Sesame, edible, bbls.	b	.14½	.15
Sod Oil, bbls., NY	gal	...	.40
SOYA BEAN, crude, tks., Coast	b	...	.11½
Crude, tks., NY	b	...	.12½
Crude, bbls., NY	b	.18½	.14
Refined, bbls., NY	b	...	.14½
Sperm, 38° c.t. bichd. bbls., NY	gal	...	.89
45° cold test, bichd. bbls., NY	gal	...	.87
STEARIC ACID, s.p. 200 lb bags	b	...	.13
Double pressed, bags	b	.14½	.14%
Double pressed, bgs., saponified	b	.14½	.14%
Triple pressed, bgs., distilled	b	.16½	.17
Triple pressed, bgs., saponified	b	.16½	.17
Stearine, oleo, bbls.	b	.10%	.10%
Tallow, edible, tierces	b	...	.10%
City, extra loose	b	...	.08%
Tallow Oil, acidless tks., NY	b	...	.12
Bbls., c/l NY	b	...	.13½
Walnut, crude bbls., NY	b	...	...
Whale, nat winter bbls., NY	gal	...	.77
Richd. winter bbls., NY	gal	...	.81
Extra Richd. bbls., NY	gal	...	.83
Crude, No. 1, tanks Coast	gal	...	...
Crude, No. 2, tanks Coast	gal	...	...
Crude, No. 3, tanks Coast	gal	...	...

Crude Drugs

Aceroides Gum, rel.	b	.18	.30
ACONITE LEAVES, bales	b	.10	.11
Root, USP, bags	b	.33	.35
Agar Agar, 1, 200 lb bales	b	1.75	1.85
No. 2, bales	b	...	1.70
No. 3, bales	b	...	1.55
Agarie, white, cases	b	2.75	3.00
Granulated, boxes	b	3.25	3.40
Almonds, bitter, boxes	b	.60	.65
Sweet, boxes	b	.57	.60
Miscel, barrels, boxes	b	.24	.25
Aletris Root, bags	b	.40	.42
Alkanet Root, bags	b	.08½	.09
Aloes, Barbados, 120 lb bbls.	b	.65	.70
Cape, 400 lb cases	b	.08	.09
Curacao, 100 lb cases	b	.10	.11
Socotrine, whole, 300 lb cases	b	.23	.27
Select, cakes, lb	b	.34	.36
Althea Root, cases	b	.45	.50
Whole, bags	b	.22	.24
Ambergris, black boxes	os	8.00	10.00
Grey, boxes	os	...	26.00
Ammoniac, tears, bags	b	.65	.70
Angelica Root, dom. bags	b	.13	.14
Angelica Root, bark, bags	b	...	...
Anise, Levant, bags	b	.15	.16
Badian, bags	b	.13	.14
Star, cases	b	.12½	.13
Spanish, bags	b	.14½	.15
Anatto Seed, 200 lb bags	b	.30	.21
ARABIC GUM	b	...	...
White, No. 1, 200 lb bags	b	.26	.27
Seconds, 250 lb bags	b	.24	.25
Sorts, amber, 200 bgs. bbls.	b	.13½	.13½
Powd., 300 lb bbls.	b	.18	.30
Areca Nuts, 150 lb bags	b	.17½	.18½
Powd., 200 lb bbls.	b	.20	.22
Argols, Red, bbls.	b	.05½	.06½
Arnica Flowers, bales	b	.10	.11
Root, bags	b	.28	.30

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New York

Bicarbonate of Soda
Sal Soda
Monohydrate of Soda

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Burt H. Goddin, Pres.

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Carus Chemical Company, Inc.

La Salle, Illinois

New York Representative

T. J. PARKER, INC.; 132 FRONT STREET

Crude Drugs

Arrowroot, Amer., pvd. bbls...	.10%	.11	Buckthorn Bark, bags	.07	.08	Cassia Batavia, No. 3, bales...	.09	.09½
Bernuda, bbls	...	...	Burdock Root, bags	.11	.14	China, select, rolls, cases...	.11½	.11½
St. Vincent, pvd., bbls...	.13	.14	Burgundy Pitch, dom., 110 lb stands	...	...	Broken, bales	.07	.07½
Asafetida, USP, 250 lb cases...	.38	.38	Gross for net	.05	.06	Buds, cases	.14	.16
Powd., 50 lb bxs.	.38	.40	Imported	.10	.11	Cassia Fistula, baskets	.08	.09
BALM GILEAD BUDS, bags...	.45	.50	Calabar Beans, bags	...	...	Cassia Soap, USP, pvd., 200 lb	...	...
Balmey Herbs, bales	...	.14	Calamus Root, bleached, cases...	.33	.35	bbls.	.27	.28
GALSAWS	...	...	Unbleached, bags	.06	.07	Castor Beans, bags	.03	.03½
Copaha, Para, 80 lb cs...	.55	.57	Calendula Urtica, imp., bales...	.23	.30	Castoreum, 1 lb bot.	4.00	4.50
South American, 80 lb cs...	.60	.62	Calisaya Bark, bales, pvd...	.25	.26	Catechu Gum, bags	.11	.12
Flr Canada, cans	10.75	11.00	Camphor, see Chemicals	...	...	Crackling Ash Berries, bags...	.20	.22
Oregon, bbls, cans	.95	1.00	Canary Seed, Morocco bags...	.07½	.08	Cassia Herb, bales	.33	.36
Peru, 120 lb cases	1.90	2.00	Spantish, bags	.07½	.08	Celery Seed, bales	.33	.35
Tolu, 120 lb cases	1.60	1.70	South American, bags	...	...	Ceresin Wax, white, bags...	.10½	.20
Bamboo Brier Root, bags	.05½	.06	Candelilla Wax, bags	.30	.32	Yellow, 200 lb bags	.09	.10
Barberry Bark, tree bales...	.11	.13	Canella Alba Bark, vales...	.53	.55	CHAMOMILE FLOWERS, Roman	...	...
Root, bags	.35	.37	Cannabis, true Imp. bags...	...	...	case bales	.18	.21
Bayberry Bark, bales	.10	.12	American (no assay) bales...	.30	.40	Hung. case bales	.07½	.08
Wax, bbls.	.31	.22	USP	.45	.60	Charcoal, Willow, pvd. bbls...	.06	.06½
Belladonna Leaves, bales	.25	.26	Cantharides, Chinese cases	.95	1.00	Wood, pvd. bbls.	.04	.05
Root, bags	.17	.18	Powdered, boxes	1.15	1.20	Chestnut Bark, bags	.07	.08
Bee Wax, white, cases	.49	.51	Cantharides, Russian, cases	.85	.90	Herb, bales	.06	.06½
Yellow, refined, cases	.89	.41	Powdered, boxes	1.00	1.10	Chicle Gum, bags	.82	.85
Crude, bags	.37	.38	Caraway Seed, African, bags...	.09	.10	Chiretta, bales	.10	.12
Resonin Gum, Siam, boxes...	1.30	1.35	Dutch, 11 lb bags	.09½	.10	Cinchona Bark, red quills bales...	.60	.62
Sumatra, 80 lb boxes	.24	.25	Cardamom, bleached, cases...	2.50	2.70	Broken, bales	.28	.29
Verbena Aquifolium Root, bags...	.12	.13	Decorticated, cases	2.25	2.40	Cinnamon, Ceylon, No. 1, bales...	.41	.42
Beth Root, bags	.24	.26	Green, grinding, bags	1.60	1.70	No. 2, bales	.38	.39
Bitter Root, 100 lb bags	.40	.42	Carnauba Wax, Flor. bags...	.39	.42	No. 3, bales	.38	.38
Blackhaw Bark, root, bales...	.33	.34	No. 1, N Country bags	.34	.36	Civet, Alcyon horns	2.75	3.75
Tree, bales	.15	.16	No. 2, N Country bags	.32	.34	Clover Tops, bags	.17	.18
Blood Root, bags	.13	.14	No. 3, N Country bags	.27	.28	Cloves, Zanzibar, 135 lb bales...	.25½	.26
Blueflag Root, bags	.28	.30	No. 3 Fatty Gray, bags...	.28	.30	Amboyas, bales	.38	.40
Boldo Leaves, bales	.20	.21	No. 3 Chalky, bags	.28	.30	Penang, bales	.40	.42
Bonnet Herb, bales	.07	.08	Cascara Amara, 150 lb bales...	1.25	1.50	Cochineal, USP, boxes	.45	.47
Leaves, bales	.09	.11	So-called, bales	.50	.52	Cora Leaves, Huancoco bags...	...	...
Borage Flowers, bales	.17	.20	Cascara Sagrada, bales	...	...	Truillio, bags	...	...
Bryonia Root, bags	.40	.42	1923 bark	.26	.28	Cobosh Root, Black bags...	.08	.08½
Black Indian Root, 100 lb bags...	.40	.42	1924 bark	.14	.15	Blue, bags	.09	.09½
SUCHU LEAVES, short, 250 lb	...	...	Cascarilla Bark, quills bales...	...	...	Colchicum Root, bags	.06	.07
bales	.80	.82	Siftings, bbls.	...	...	Seed, bags	.15	.17
Loss, bales	.86	.88	Cassia Batavia, No. 1, bales...	.11	.11½	Colocynth, apples, cases, bales...	...	...
Long, bales	Shortstick, bales	.09½	.09½	Pulp, USP, bales	.23	.25
Rockbean Leaves, bales	.07½	.08

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Coldfoot Leaves, bags.....D	.08 : .07	Elder Flowers, bags.....D	.10 : .13	Guarana, tins, cases.....D	.60 : .65
Comfrey Root, bags.....D	.13 : .14	Elemi Gum, 89 lb cases.....D	.10 : .11	GUM, see Arabic Gum, etc.	
Condurango Bark, bales.....D	.12 1/4 : .13	Elm Bark, select 5 lb bundles cases D	.26 : .27	NELLEBORE ROOT,	
Conium Herb, bags.....D	.12 : .14	Grinding, bags.....D	.16 : .17	Black, bbls.....D	.08 : .10
Conium Seed, bags.....D	.11 : .12	Powdered, bbls.....D	.23 : .25	Powdered.....D	.15 : .17
Copaiba Balsam Para, see Hausmann		ERGOT, 150 200 lb bags.....D	.53 : .55	White, Powd., 250 lb bbls.....D	.10 : .11
Copal Gum.....D	.12 : .13	Eucalyptus Leaves, bales.....D	.05 : .05 1/2	Helonias Root, (uncolon false) bags.....D	.67 : .68
Coriander Seed, Bombay bgs.....D	.05 : .05 1/2	Euphorbia Pilulifera Herb, bags D	.09 1/2 : .10	Hemp Seed, Manchurian bags.....D	.04 1/2 : .05
Morocco, bags.....D	.05 : .05 1/2	Euphorbium Gum, cases.....D	.25 : .27	Chilean, bags.....D	.04 1/2 : .05
Blanchet, bags.....D	.10 1/4 : .11	Fennel Seed, boxes.....D	.40 : .42	Honbani Leaves, bales, USP.....D	.29 : .34
Corn Silk, bales.....D	.04 1/2 : .05 1/2	Fennel Seed, French, bags.....D	.10 : .10 1/2	No assay.....D	.24 : .26
Cotton Root Bark, bales.....D	.12 : .13	German, bags.....D	.15 : .16	Henna Leaves, bales.....D	.09 : .09 1/2
Cowhage, ea. tins.....D	.05 1/4 : .05	Indian, bags.....D	.08 1/2 : .09	Powdered.....D	.12 : .13
Cramp Bark, so-called bales.....D	.06 1/4 : .07	Flax Seed, whole, 180 lb bbls., ea.....D	15.00 : 15.25	Honey, Calif., 120 lb cases.....D	.11 : .12
Troe, bags.....D	.28 : .30	Ground, 180 lb bbls.....D	.07 1/2 : .08	Hops, N. Y. prime bales.....D	.25 : .28
Cranesbill Root, bags.....D	.09 : .10	Fenugreek Seed, 200 lb bags.....D	.04 1/2 : .05	Pacific Coast prime bales.....D	.25 : .27
CUBES BERRIES, XX bags.....D	.62 : .63	Fish Berries, 100-125 lb bags.....D	.10 : .12	Forehound Herb, bales.....D	.08 1/2 : .09
Powdered, boxes.....D	.65 : .67	Fringe Tree Bark, bags.....D	.23 : .25	Horse Nettle, Berries, oags.....D	.35 : .55
Culvers Root, bags.....D	.21 : .22	Fumigating Pastilles Black, 1 lb boxes.....D	.....	Horsetail Rush, bags.....D	.....
Cumin Seed, Levant bags.....D	.17 : .18	Red, 1 lb boxes.....D	.18 : .19	Hydrangea Root, bales.....D	.09 : .10
Malta, bags.....D	.17 : .17 1/4	GALANGAL ROOT, bags.....D	.09 : .10	India Gum, see Karaya	
Morocco, bags.....D	.....	Galbanum Gum, cases.....D	.80 : .85	INSECT FLOWERS, open whole Bales.....D	.27 : .28
Cuttlefish Bone, Trieste, straps.....D	.13 1/4 : .14	Gambier Gum, bags.....D	.18 : .19	Closed whole, bales.....D	.29 : .30
Jewellers large, straps.....D	.....	Gamboge Gum, 160 lb cases.....D	.76 : .77	Powdered, pure, 200 lb bbls.....D	.38 : .42
Small, straps.....D	.....	Powdered, cases.....D	.85 : .87	Flowers and Stems, 50 p.c. 200 lb bbls.....D	.28 : .30
French, straps.....D	.13 1/4 : .14	Galacium Root, bags.....D	.11 : .11 1/2	Ipecac Root, Cartagena, bags.....D	2.25 : 2.35
Powdered, boxes.....D	.14 : .15	Gentian Root, bags.....D	.08 : .08 1/2	Powdered, 200 lb bbls., hxs.....D	2.50 : 2.60
Broken, boxes.....D	.....	Ground, bbls., boxes.....D	.12 : .13	Rio Whole, bags.....D	2.20 : 2.30
Damar Gum, 136 lb cases.....D	.27 : .28	Powdered, boxes.....D	.13 : .14	Powdered, 200 lb bbls., hxs.....D	2.50 : 2.60
Damiana Leaves, bales.....D	.60 : .70	Ginger, African, bags.....D	.18 : .19	Isinglass, American, 130 lb ea.....D	.75 : .80
Dandelion Root, imp., bags.....D	.21 : .22	Jamaica, grinding, bags, bbls.....D	.26 : .32	Russian (Beluga) hxs. ctms.....D	4.00 : 4.50
Deer Tongue Leaves, bales.....D	.08 1/2 : .09	Japan, bags.....D	.....	JABORANDI LEAVES, bales.....D	.10 : .10 1/2
Digitalis Leaves, bales.....D	.09 : .10	Cochin, ABC & Lemon, bags.....D	.24 : .25	Jalap Root, whole, 150 lb bags.....D	.29 : .35
Dill Seed, bags.....D	.06 : .07	Hiwene Root cultivated, bags.....D	8.00 : 10.00	Powdered, USP, 250 lb bbls.....D	.34 : .38
Cleaned, bags.....D	.08 1/4 : .09	Northwestern Wild, bags.....D	12.00 : 14.00	Japan Wax, White, bags.....D	.15 : .16
Dogwood Bark, Jamaica, bags.....D	.09 1/2 : .10	Southern Wild, bags.....D	8.50 : 10.00	Job's Tears, White, bags.....D	.....
American, bales.....D	.07 : .08	Golden Seed Root, bags.....D	4.10 : 4.15	Juniper Berries, 125 lb bags.....D	.05 1/2 : .08
Doggrass Root, USP, cut bags.....D	.10 : .11	Powdered, boxes.....D	4.20 : 4.30	KAMALA, USP, boxes.....D	1.00 : 1.05
Dragon Root, mass cases.....D	.70 : .75	Grains of Paradise, bags.....D	.14 : .15	Karaya Gum, powdered, bbls.....D	.10 : .18
Reeds, boxes.....D	.75 : .80	Grindelia Robusta Herb, bales.....D	.09 : .09 1/2		
ECHINACEA ROOT, bags.....D	.31 : .32				

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Kava Kava Root, bags.....lb	.19	.20	Marjoram Leaves, French, bales..lb	.35	.37	Orange Flowers, cases.....lb	.30	1.25
Kino Gum, black cases.....lb	.50	.55	Chilian, bales.....lb	.30	.31	Orange Peel, bitter, bags.....lb	.07½	.08
Kola Nuts, 150 lb bags.....lb	.04½	.05	Mastic Gum, 120 lb cans.....lb	.55	.57	Sweet, bags.....lb	.11	.11½
Kouso Flowers, bags.....lb	1.50	1.75	Mastic Leaves, bales.....lb	.12	.13	ORRIS ROOT, Florentine bold bags..lb	.09	.10
LADY SLIPPER ROOT, bags.....lb	.50	.55	Mazelon Bark, bags.....lb	.11	.12	Powdered, 200 lb bbls..lb	.12	.13
Laripur Seed, bags.....lb	3.25	3.50	Millet Seed, dom. yellow bags..lb	.03½	.04	Verona, bags.....lb	.07	.08
Laurel Leaves, bales.....lb	.04	.04½	Montan Wax, crude bags.....lb	.05½	.06	Powdered, 200 lb bbls..lb	.11	.12
Selected.....lb	.22	.24	Bleached.....lb	.08	.09	Fingers, cans.....lb	.68	.60
Laurel Flowers, ordinary.....lb	.22	.24	Moss, Iceland, bales.....lb	.08	.09	Cokerite Wax, brown hard bags..lb	.24	.25
Selected.....lb	.28	.38	Irish, bleached, bales.....lb	.08	.09	Green, hard bags.....lb	.26	.29
Laurel tubs.....Por 100	3.20	3.75	Selected, bales.....lb	.12	.13	Refined, yellow, bags.....lb	.18	.24
Lemon Peel, bags.....lb	.08½	.09	Mullein Flowers, tins.....lb	1.00	1.10	PAPRIKA, bags.....lb	.18	.27
Licorice Root, Russian, whole.....lb	.07	.07½	Musk, pods, Carbadine, tins.....oz	16.00	17.00	Hungarian.....lb	.26	.27
Spanish, natural bales.....lb	.08½	.09	Toocuto.....oz	22.00	25.00	Pareira Brava Root, bags.....lb	.11	.12
Powdered, bbls.....lb	.09	.09½	Grain Cab.....oz	25.00	26.00	Farsley Seed, bags.....lb	.17	.18
Selected, 2 & 5 lb bundles..lb	.13	.18	Tonquin.....oz	35.00	38.00	Patchouli. Leaves, bales.....lb	.16	.18
Cuttings, 125 lb bags.....lb	.06½	.07	Synthetic, see Chemicals.....lb	2.00	2.20	Pellitory Root, bales.....lb	.24	.26
Turkish, 150 lb bales.....lb	.03	.03½	Musk Root, Russian, bags.....lb	.12½	.12½	Pepper, black, Sing. bags.....lb	.14½	.15
Life Everlasting Herbs, bales.....lb	.05	.06	Mustard Seed Bari brown bags..lb	.09	.10	White, bags.....lb	.22½	.23
Lime Juice, clarified bbls.....gal	.06	.05	Bombay, brown.....lb	.11½	.12	Aleppy, bags.....lb	.14	.14½
Linden Flowers with leaves, bales..lb	.09½	.10	California, brown.....lb	.11½	.12	Lampong, bags.....lb	.13	.13½
Without Leaves, bales.....lb	.18	.20	Yellow.....lb	.06½	.06½	Tellecherry, bags.....lb	.14½	.15
Liverwort Leaves, bales.....lb	.17	.19	Chinese yellow.....lb	.09½	.10	Muntock, bags.....lb	.23	.23½
Lobelia Herb, bales.....lb	.62	.65	English, yellow.....lb	.08½	.08½	Red Chillies, Japan No. 1, bags..lb	.21	.21½
Lobelia Seed, bags.....lb	.55	.60	Dutch, yellow.....lb	.08½	.08½	Mombasa, bags.....lb	.10	.10½
Louage Root, Imported, bags.....lb	.18	.20	Danish, yellow.....lb	.23	.25	Talay, bags.....lb	.13	.13½
Laurel Berries, bags.....lb	.10	.11	Myrrh Gum, select, 200 lb cs..lb	.20	.24	Capicum Bombay, bags.....lb	.11½	.12
Leaves, Greek, bales.....lb	.04½	.05	Sorts, cases.....lb	.17	.18	Peppermint Leaves, imp. bales...lb	.18	.22
Italian, bales.....lb	.04½	.05½	NUTGALLS, Chinese, bags.....lb	.14	.15	Cuts, bales.....lb	.12	.14
American, bales.....lb	.25	.35	Aleppy, bags.....lb	.55	.57	Domestic leaf.....lb	.18	.19
Lupulin, N.F. time.....lb	1.55	1.60	75s, 80s, cases.....lb	.59	.61	Peru Balsam, see Balsams.....lb	.22	.24
Lyopodium, 88 lb cs.....lb	.75	.80	Grinding, bags.....lb	.48	.50	Pitch Leaves, bags.....lb	.09½	.09½
MACE, Shaw, No. 1.....lb	.08	.08	Nux Vomica Buttons, bags.....lb	.08	.09	Pink Root, true bags.....lb	.70	.75
Banda, No. 1 cases.....lb	1.00	1.05	Powdered, 200 lb bbls.....lb	.05	.06	Pitch, Burgundy, see Burgundy Pitch.....lb	.15	.15
Batavia, No. 2, cases.....lb	.88	.88	CAK BARK, red bags.....lb	.06	.07	Pleurisy Root, bags.....lb	.08	.09
West India, cases.....lb	.32	.34	White, bags.....lb	.11	.11½	Poke Berries, bags.....lb	.30	.30
Mala Flowers, blue bales.....lb	.55	.60	Oilbanum Gum, sift 250 lb cases..lb	.11	.11½	Pomegranate Bark, of root bags..lb	.30	.30
Black, bales.....lb	.17	.28	Tears, 280 lb cases.....lb	.11	.11½	Of Fruit, bags.....lb	.30	.30
Manoca Root, bales.....lb	.78	.80	No. 1, al white.280 lb.....lb	.22	.33	Of Tree.....lb	.30	.30
Manna, large flake, cases.....lb	.43	.45	Opium, gum, USP, cases.....lb	12.00	13.00	Poppy Flowers, red bags.....lb	.25	.27
Small flake, cases.....lb	.30	.30	Granular, cans.....lb	13.00	14.00			
Sorts, cases.....lb	.11	.12	Powdered, USP, cans.....lb	13.00	14.00			
Mandrake Root, bags.....lb	.33	.35						
Marjoram Leaves, German, bales..lb	.33	.35						
African, bales.....lb	.33	.35						



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German, bags.....D	.09% : .10	Saw Palmetto Berries, bags.....D	.09 : .09%	Squaw Vine, bales.....D	.16 : .17
Turkish, bags.....D	.08% : .09	Scammony Resin, boxes.....D	1.20 : 1.30	Squilla, white.....D	.04 : .05
Miso Indian, bags.....D	.08% : .09	Scammony Root, bags.....D	.06% : .07	Powdered, bulk.....D	.12 : .14
White Indian, bags.....D	.08 : .08%	Senega Root, bags.....D	.57 : .59	Stavesacre Seed, bags.....D	.38 : .40
Prickly Ash Bark, Southern, bags.D	.20 : .23	SENNA, Alex 150 lb cases.....D	.22 : .23	Sticklac, Siam, 250 lb bales.....D	.46 : .48
Northern, bags.....D	.20 : .21	Half Leaf, 350 lb bales.....D	.13 : .15	Stillinga Root, bags.....D	.11% : .13
Prickly Ash Berries, bags.....D	.14 : .16	Siftings, 400 lb bales.....D	.10 : .11	Stone Root, bags.....D	.09 : .10
Prince's Pine, bales.....D	.20 : .25	Powdered, 200 lb bbls.....D	.14 : .14%	St. Ignatius Beans, bags.....D	.12 : .13
Pulastilla Herb, bags.....D	.13 : .14	Tinnevely, Bold, 350 lb bbls.D	.14 : .17	St. John's Bread, bags.....D	.08 : .09
Pumpkin Seed, bags.....D	.30 : .33	Medium Leaf.....D	.11 : .14	Stramonium Leaves, bales.....D	.07% : .08
QUASSIA CHIPS, bags.....D	.06% : .07	Small Leaf.....D	.08 : .11	Stramonium Seed, bags.....D	.10 : .11
Queen of the Meadow Herb, bags.D	.08 : .08	Powdered, 200 lb bbls.....D	.08% : .09	Strophanthus Seed, Hissidus.....D	.12 : .13
Quince Seed, bags.....D	.78 : .95	Fods, 350 lb bales.....D	.14 : .15	Kambe, bags.....D	1.25 : 1.30
RAPE SEED, South Amer. bags.D	.06 : .06%	Serpentaria Root, bags.....D	.82 : .83	Styrax, liquid artif.....D	.35 : .45
Dutch, bags.....D	.06% : .07	Shellac, D. C., bags.....D	.78 : .79	Gen. USP.....D	.60 : .70
Japanese, small, bags.....D	.06 : .06%	V.S.O. bags.....D	.78 : .79	Sunflower Seed, domestic bags...D	.06 : .06%
Raspberries, dried boxes.....D	.60 : .62	Diamond I, bags.....D	.78 : .79	South American, bags.....D	.05% : .06
Red Saunders.....D	.17 : .19	Superfine, Orange, bags.....D	.64 : .65	TAGALDER BARK, bags.....D	.05 : .06
Rhatany Root, bags.....D	.09 : .10	Fine, bags.....D	.63 : .64	Tamarinde, bbls.....D	.05 : .05%
RHUBARB, Root, H.D., cases.....D	.33 : .35	T.N., bags.....D	.60 : .61	Kaps.....D	3.50 : 3.75
Powdered, 200 lb bags.....D	.38 : .40	Garnet, A. C.....D	.59 : .60	Tansy Herb, bales.....D	.18 : .19
Rosemary Leaves, bales.....D	.04 : .04%	Button bags.....D	.76 : .78	Tar, Barbadoes, 50 gal. bbls...gal	1.40 : 1.50
Rosemary Flowers, cases bales...D	.29 : .34	Bleached, ground, bbls.....D	.56 : .58	Thus Gum, 280 lb bbls.....D	.07% : .08
Roe Petain, pale.....D	.27 : .30	Bone Dry, bbls.....D	.68 : .70	Thyme, Spanish bales.....D	.07 : .08
Red.....D	.99 : 1.00	Sideritis Herb, cut bags.....D	.15 : .18	French, bales.....D	.11 : .11%
Rue Herb, bales.....D	.18 : .20	Shinaruba Bark, bales.....D	.07 : .08	Tilia, see Linden	
SABADILLA SEED, bags.....D	.13% : .15	Skullap Leaves, Eastern, bales...D	.54 : .56	Tolu Balsam, See Balsams	
Powder, bbls.....D	.19 : .20	Western, bales.....D	.28 : .30	Tonga Bark, bags.....D	.30 : .33
Saffron Flowers, Amer. bales...D	.60 : .64	Skunk Cabbage Root, bales.....D	.14 : .17	Tonka Beans, Angostura, cases..D	2.15 : 2.25
Valencia, 1 lb cans.....D	39.00 : 40.00	Sloe Berries, bags.....D	.03 : .04	Para, cases.....D	.90 : 1.00
Sage, Dalmatian, bales.....D	.05 : .05%	Snake Root, Canada natural, bags.D	.34 : .35	Surinam, cases.....D	.00 : .00
Greek, bales.....D	.04 : .04%	Stripped, bags.....D	.60 : .65	Tragacanth Gum, No. 1, ribbon	
Spanish, bales.....D	.03 : .03%	SOAP BARK, whole, 150-200 lb		160 lb ca.....D	1.20 : 1.25
Sandwood, chips, bags.....D	.18 : .19	bales.....D	.09 : .10	No. 2 to No. 6, cases.....D	.95 : 1.18
Ground, bags.....D	.21 : .22	Cut, 125-175 lb bags.....D	.09% : .10	Powdered, 50 lb boxes.....D	.82 : .85
Sandarae Gum, 300 lb bbls.....D	.43 : .45	Crushed, 200 lb bbls.....D	.10 : .11	Turkish, cases.....D	.70 : .85
Sansaparilla Root, Honduras, bales.D	.68 : .70	Powdered, 200 lb bbls.....D	.13 : .14		
Mexican.....D	.19 : .21	Spearmint Leaves, American bales.D	.15 : .22		
Sassafras Bark, ordinary bales...D	.15 : .17	Spermaceti, blocks, cakes, cases.D	.38 : .45		
Select, bales.....D	.28 : .30	Epikard Root, bags.....D	.20 : .23		

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Essential Oils

Turnerite Root, Madras bags....	D	.13%	.13%
Aleppy, bags	D	.11%	.11%
Powdered	D	.14%	.15
China, bags	D	.09	.09%
Turpentine, Venice, true 80 lb cs..	D	.22	.23
Artificial, 80 lb cases	D	.11	.13
Spirits, see Naval Stores			
UNICORN ROOT, false, see Heloni			
True, see Aletris			
Uva Ursi Leaves, bales	D	.05	.05%
VALERIAN ROOT, Belgian bags....	D	.20	.23
Vanilla Beans, Mex. whole cases..	D	11.00	13.00
Cuts, cases	D	9.50	10.00
Bourbon, cases	D	9.50	10.00
South American, cases	D	9.00	9.50
Tahiti, yellow label cases....	D	8.00	8.25
Green Label, cases	D	...	...
Vetiver Root, 100 lb bags	D	.25	.26
Violet Flowers, bags	D	.80	.95
WANGO BARK, of root bags	D	.80	.85
Of Tree, bags	D	.85	.87
White Pine Bark, rosed, bags....	D	.07%	.08
White Poplar Bark, bags	D	.06	.07
Wild Cherry Bark, thin green			
Rosed, bales	D	.12	.13
Thick Rosed, bales	D	.07	.08
Thin Natural, bales	D	.09	.09%
Thick Natural, bales	D	.05	.06
Willow bark, bags	D	...	.06
White, bags	D	...	.15
Witch Hazel Bark, bgs	D	.08	.09
Witch Hazel Leaves, bales	D	.07%	.07%
Worm Seed, American, bags	D	.08	.08%
Levant, bags	D	2.75	3.00
Wormwood Herb, imported bales..	D	...	.10
Yacca Gum, red	D	.04	.04%
Ground	D	.05%	.06%
YELLOW DOCK ROOT, bags	D	.12	.14
Yellow Parilla Root, bags	D	.16	.17
Yerba Santa, bags	D	.09	.09%
Zedary Root, bags	D	.11	.12

Essential Oils

Almond, Bitter, USP, 5 lb bot....	D	3.15	3.25
Bitter ff PA 5 lb bots	D	3.25	3.50
Sweet, 56 lb cans	D	.80	.86
Peach Kernel, 55 lb tins	D	.28	.30
Apricot, see Peach Kernel			
Amber, crude, 25 lb tins	D	.70	.75
Rectified, 25 lb tins	D	.85	.90
Angelica Root, 1 lb bot	D	28.00	30.00
ANISE, Tech., 66 lb case	D	.55	.57
USP, 50 lb tins	D	.60	.62
Bay, 25 lb tins	D	2.20	2.30
Terpeneless	D	6.00	6.50
Bergamot, 25 lb coppers	D	3.65	4.00
Terpeneless	D	12.00	12.50
Artificial, 25 lb cans	D	2.10	2.20
Birch Tar, rect. 5 lb bot	D	.75	.80
Crude, 50 lb tins	D	.80	.50
Bois de Rose, 25 lb tins	D	4.75	5.00
Cade, 25 lb cans	D	.30	.35
Cajuput, native, 50 lb tins	D	.75	.80
Calamus, 5 lb bot	D	3.75	4.00
Camphor, heavy, 1000 lb drums..	D	.14	.14%
Japanese, white, 72 lb cases..	D	.12	.12%
White, 1000 lb drums	D	.11%	.12
Cananga, native, 25 lb tins	D	2.20	2.30
Rectified, 25 lb tins	D	2.65	3.00
Caraway, USP	D	2.40	2.50
Cardamom, USP, 1 lb bot	D	41.00	42.00
Carrol, 5 lb bot	D	9.50	10.50
Cascarilla, USP, 1 lb bot	D	50.00	52.00
CASSIA, 80-85 p.c. 400 lb drm..	D	1.95	2.05
Redistilled, USP, 50 lb cans..	D	2.40	2.50
Cedar Leaf, 50 lb tins	D	.85	.95
Cedar Wood, light 1000 lb drs..	D	.70	.75
Celery, 1 lb bot	D	8.75	9.50
Chaulmoogra, 80 lb cases	D	.85	.90
Cinnamon, Ceylon, 1 lb bot	D	10.50	11.00
Leaf, 5 lb bot	D	1.40	1.50

CITRONELLA, Ceylon

1000 lb drums	D	.73	.80
50 lb tins	D	.76	.83
Java, 400 lb drums	D	1.30	1.40
50 lb tins	D	1.40	1.50
Cloves, USP, 50 lb cans	D	1.85	1.95
6 lb bot	D	1.95	2.05
Copaiba, USP, 25 lb tins	D	.45	.50
Coriander, USP, 1 lb bot	D	10.00	10.50
Croton, USP, 25 lb tins	D	.95	1.00
Cubeba, USP, 5 lb bot	D	4.50	4.75
Cumia, 1 lb bot	D	11.00	11.50
Ellil, 1 lb bot	D	4.25	4.50
Erigeron, 20 lb tins	D	3.75	4.00
EUCALYPTUS, Austral. USP,			
56 lb cs.	D	.58	.60
500 lb drums	D	.55	.57
Fennel, USP, 25 lb tins	D	.95	1.10
Geranium, Algerian, 25 lb tins..	D	6.25	6.75
Bourbon, 25 lb tins	D	5.75	6.25
Turkish, 28 lb tins	D	4.00	4.25
Ginger, 1 lb bot	D	12.00	13.00
Hemlock, 50 lb cans	D	.82	.85
Gingergrass, 28 lb tins	D	3.00	3.25
Juniper Berries, USP, 25 lb tins..	D	1.85	2.00
Wood, 50 lb tins	D	.50	.60
Lavender, USP, 28 lb tins	D	5.25	7.50
Spike, Spanish, 50 lb cans	D	1.10	1.75
LEMONGRASS, Ital. USP, 25 lb tins..	D	.98	1.20
Terpeneless	D	10.50	11.00
American, USP, 25 lb tins	D	.85	.90
Lemongrass, native, 50 lb cans..	D	1.25	1.35
Limes, Express, 25 lb tins	D	4.25	4.50
Distilled, 25 lb tins	D	1.75	2.00
Linaloe, Mex., 80 lb cases	D	4.00	4.25
Mace, distilled, 50 lb tins	D	1.50	1.60
Mirbane, ref., see Ar. Chemicals			
Mustard, USP, 1 lb bot	D	...	14.00
Artif., USP, 5 lb bot	D	2.80	2.90
Neroli, Bigarade, 1/2 & 1 lb bot..	D	40.00	46.00
Petale, 1 lb bot	D	90.00	120.00
Artificial, 1 lb bot	D	10.00	25.00

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Nutmeg, USP, 25 lb tins	1.50	1.60
Orange, bitter, 25 lb tins	2.60	2.75
Sweet, W. Ind., 25 lb tins	2.65	2.70
Italian, 25 lb cop.	2.80	3.00
Terpenes, 60 lb cases	60.00	64.00
American, 25 lb tins	2.75	2.80
Distilled, 25 lb tins	1.65	1.75
Spanish, 25 lb tins	2.80	2.90
Eriganum, 50 lb cans tech.	.30	.35
Parley, 1 lb bot.	3.50	4.00
Patchouli, 5 lb bot.	4.50	5.50
Pennyroyal, dom., 25 lb tins	2.00	2.15
Imported, 25 lb tins	1.65	1.70
PEPPERMINT, nat., 60 lb cases	15.00	15.50
Redis, USP, 60 lb cases	15.50	16.00
Petit Grain, S. A., 25 lb tins	2.10	2.20
French, 1 lb bot.	7.00	8.00
Italian, 25 lb tins	2.25	2.35
Pimento, 25 lb tins	2.75	3.00
Pinus Sylvestris, 25 lb tins	...	1.40
Pumilio, USP, 25 lb tins	...	2.25
Rose, Fr., 8, 16 & 32 oz. phg.	...	9.00
Bug., 8, 16 & 32 oz. phg.	8.00	9.00
Artificial, 1 lb bot.	2.00	3.00
Rosemary, USP, 27 1/2 lb tins	.42	.46
1000 lb drums	.35	.40
Tech., 27 1/2 lb tins	.35	.40
Rue, 1 lb bot.	...	4.25
Sandalwood, E. Ind. USP, 70 lb cases	7.25	7.40
W. Indian (Amyris) 25 lb tins	2.35	2.45
Sassafras, USP, 50 lb cans	1.10	1.20
Artificial, 1000 lb drs. 60 lb cans	.34	.36
Savin, 5 lb tins	2.25	2.40
Spearmint, USP, 60 lb cans	4.85	5.00
Spruce, 60 lb tins	.82	.85
Tang, Amer., 30 lb tins	.25	.26
Tar, 50 gal. bbls.	...	...
Refined, USP 25 lb tins	...	...
Thyme, red, USP, 25 lb tins	.85	1.00
White, USP, 25 lb tins	1.00	1.10
Tech., 110 lb drums	.30	.35

Vetiver, Bourbon 1 lb bot.	12.00	14.00
Indian, 1 lb bot.	36.00	32.00
Java, 1 lb bot.	30.00	22.00
Wine, heavy 1 lb bot.	...	1.50
WINTERGREEN		
Sweet bch., 25 lb tins	2.50	3.00
Southern, 25 lb tins	1.85	2.00
Gaultheria, true 25 lb tins	7.00	8.00
Southern, 25 lb tins	3.75	4.00
Synthetic, true 50 lb cases	...	.47
Wormwood, Balt., USP, 25 lb tins	3.25	3.35
Wormwood, dom., 25 lb tins	4.00	4.50
Yang Yang, Bourbon, 10 lb tins	...	...
No. 1	9.00	10.00
No. 2	6.00	7.00
Manila, 1 lb bot.	28.00	40.00
Artificial, 1 lb bot.	10.00	12.00

OLEORESINS

Aspidium, USP, 1 lb bot.	2.75	3.00
Cardium, USP, 5 lb bot.	2.50	2.75
Cubeb, USP, 1 lb bot.	4.00	4.50
Ginger, 5 lb bot.	3.75	4.00
Malefern, See Aspidium		
Gris, 1 lb bot.	15.00	18.00
Pepper, black, USP, 1 lb bot.	3.50	4.00
Vanilla, 1 lb bot.	22.50	35.00

Aromatic Chemicals

NATURAL DERIVATIVES

Anethol, 2 lb bot.	1.25	1.75
Borneol, 1 lb bot.	...	2.50
CITRAL, 25 lb cans	3.00	2.50
Citronellal, 1 lb bot.	2.50	3.00
EUCALYPTOL, USP, 25 lb cans	...	.90
Eugenol, USP, 25 lb cans	3.25	2.50
Geraniol, Domestic, 50 lb cans	4.00	4.25
Imported, 5 lb bot.	4.50	5.00
so-Eugenol, 1 lb bot.	4.00	4.50
Imported	5.25	6.25

Linalool, 5 lb bot.	6.00	6.25
From Bois de Rose, 5 lb bot.	7.00	7.50
MENTHOL, 60 lb cases	...	12.00
Less cases, 5 lb cans	...	12.50
Rhodinol, 1 lb bot.	18.00	21.00
Extra, 1 lb bot.	40.00	47.00
SAFROL, 60 lb cans	.45	.47
Thymol, USP, 25 lb tins	4.75	5.00

SYNTHETIC AROMATICS

Acetophenone, CP, 1 lb bot.	3.50	3.75
Aldehyde, C-8 (Octyl) 1 lb bot.	45.00	60.00
C-9 (Nonyl), 1 lb bot.	70.00	75.00
C-10 (Decyl), 1 lb bot.	50.00	58.00
C-12 (Dodecyl), 1 lb bot.	27.50	32.50
C-14, 1 lb bot.	22.50	25.00
C-16, 1 lb bot.	70.00	80.00
Aubepine, see Anisic Aldehyde		
Amyl Acetate, pure 5 gal. cans	4.00	4.25
Butyrate, 1 lb bot.	2.00	2.25
Cinnamate, 1 lb bot.	4.00	4.50
Formate, 1 lb bot.	1.75	2.00
Phenyl Acetate, 1 lb bot.	4.50	5.00
SALICYLATE, com. 100 lb cys.	1.45	1.50
Imported	2.25	2.50
Valerate, 5 lb bot.	3.25	3.50
Anisic Aldehyde, 1 lb bot.	3.75	4.25
BENZALDEHYDE, USP, 40 lb cys	1.40	1.50
FFC, 40 lb cys.	1.50	1.65
Benzene Ether, See Ethyl Benzene		
Benzophenone, 1 lb bot.	4.50	5.00
Benzyl Acetate, 100 lb cys.	1.55	1.75
Alcohol, 5 lb bot.	1.45	1.55
BENZOATE, 5 lb bot.	1.60	1.75
Medicinal FFC	1.75	2.00
Butyrate, C.P., 1 lb bot.	6.00	6.50
Cinnamate, 1 lb bot.	10.00	10.50
Formate, 1 lb bot.	3.25	3.50

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Benzyl Propionate, 1 lb. bot.	5.00	5.25	Iso-Safrol, 1 lb. bot. imported.	5.00	5.25	Terpinyl Acetate, 25 lb. cans.	1.65	1.85
Benzyl Acetate, 1 lb. bot.	3.75	4.00	Domestic, 5 lb. bot.	4.00	4.25	Imported, 25 lb. cans.	1.90	2.20
Bromstyrol, 25 lb. cans.	3.50	4.00	Linalyl Acetate, 1 lb. bot. Dom.	8.00	9.50	TERPINEOL, CP, 1000 lb. cans. ....	.42	.44
Butyl Anthracilate, 1 lb. bot. dom. ....	...	16.00	Imp., 1 lb. bot.	8.00	8.50	Cans, 50 lb. ....	.47	.49
Butyric Ether, See Ethyl Butyrate			Benzoate, 1 lb. bot.	13.00	14.00	Absolute, 25 lb. cans. ....	.80	.90
Cinnamic Acid, 5 lb. cans.	3.25	3.50	Formate, 5 lb. bot.	10.50	12.00	Imported, 25 lb. cans. ....	.50	.55
Alcohol, liquid 1 lb. bot.	9.00	9.50	Methyl Acetophenone	3.25	3.50	VANILLIN, USP, 500 oz. cans. ....	...	.49 1/4
Crystallizable	9.50	10.00	ANTHRANILATE dom., 1 lb. bot.	2.50	3.00	Cans, 16 oz., 80 oz. ....	.50	.51
Aldehyde	3.50	3.75	1 lb. bot.	2.50	3.00	Second Hands ....	.47	.50
CITRONELLOL, 1 lb. bot.	9.00	11.00	Imported	3.00	3.25	Valerianic Ether, See Ethyl Valerate		
Imported, 1 lb. bot.	10.00	12.00	Benzoate, 5 lb. bot. import.	2.00	2.25	Yara Yara, 1 lb. cans.	1.65	1.80
Citronellyl Acetate, 1 lb. bot.	13.00	14.00	Domestic, 5 lb. bot.	1.75	2.00	PERFUMERS' SUNDRIES		
COUMARIN, 25 lb. cans.	3.25	3.45	Cinnamate, 1 lb. bot.	3.50	3.75	Almond Meal, 25 lb. cans. ....	.24	.26
DIETHYL PHTHALATE, 25 lb. cans. ....	.40	.45	Heptenone, 1 lb. bot.	8.00	8.25	Amber, liquid, 400 lb. drs.	2.20	2.30
1000 lb. drs. ....	.35	.40	Paracresol, 1 lb. bot.	8.00	9.00	Ambergris, black, bxs.	8.00	10.00
Diphenylidone, 25 lb. tins. ....	.85	.90	Phenylacetate, 5 lb. bot. dom.	3.75	4.00	Ambergris, gray, bxs. ....	...	26.00
Ethyl Acetate, pure, 5 lb. bot. ....	.45	.50	SALICYLATE, USP 500 lb.			Balsam Copaliba, Para, 80 lb. cases. ....	.55	.57
Benzoate, 5 lb. bot.	1.85	2.00	drums ....	...	.45	South American, 80 lb. cases. ....	.60	.62
Butyrate, 5 lb. bot.	2.25	2.50	50 lb. cans. ....	...	.47	Perru, 120 lb. cases.	1.90	2.00
Caproate, 1 lb. bot.	3.25	3.50	Second Hands ....	.44	.45	Tolu, 90 lb. cases.	1.60	1.70
Cinnamate, 1 lb. bot.	3.50	3.75	Mirbane, rect., 1000 lb. drums. ....	.12	.14	Benzoin Gum, Siam, bxs.	1.30	1.35
Formate, 5 lb. bot.	1.25	1.50	Musk Ambrette, 1 lb. cans.	10.50	11.00	Castoreum, 1 lb. bot.	4.00	4.50
Ethyl-methyl Paracresol, 1 lb. bot.	3.25	3.50	Ketone, 1 lb. cans.	11.50	12.00	Chalk, precip. light, 175 lb. bbls. ....	.04 1/2	.05
Ethyl Phenylacetate, 5 lb. bot.	3.75	4.00	Xylene, 5 lb. cans.	3.25	3.50	Cherry Laurel Water, 5 gal. cans.	1.15	1.25
Propionate, 1 lb. bot.	2.25	2.50	Nerolin, 1 lb. cans.	1.85	1.80	Civet Abyssin, horns.	2.75	3.75
Valerate, 5 lb. bot.	4.50	4.75	Oenanthe Ether, 1 lb. bot.	2.25	2.50	Labdanum, 5 lb. bot. ....	...	8.00
Salicylate, 5 lb. bot.	3.25	3.50	Para-Cymene, Refd., 110 gal. drs.	2.25	2.50	Lanolin hydrous, 350 lb. bbls. ....	.15	.21
Formic Ether, See Ethyl Formate			Phenylacetaldehyde, Dom.,			Anhydrous, 350 lb. bbls. ....	.18	.23
Geranyl Acetate, 1 lb. bot.	5.00	5.50	1 lb. bot. 50 p.e.	8.00	8.50	Musk pods, Cabardine, tins.	16.00	17.00
Butyrate, 1 lb. bot.	13.00	13.50	Imported, 50 p.e.	7.00	7.50	Tonquin, tins.	22.00	25.00
Formate, 1 lb. bot.	12.00	12.50	80-85 p.e.	14.00	16.00	Grains, Cabardine, tins.	25.00	26.00
Heliotropin, dom., 100-10 lbs.	1.85	2.00	Phenylacetic Acid, 1 lb. bot.	5.00	5.25	Tonquin, tins.	33.00	38.00
Imported	2.25	2.50	Phenyl Diacetate, 1 oz. bot.	8.00	10.00	Synthetic, See Aromatic Chemicals		
Hydroxycitronellal, 1 lb. bot.	12.00	14.00	1 lb. bot.	7.00	7.75	Orris Rt. Flor., powd. bbls. ....	.11	.12
Indol, CP, 1 oz. bot.	6.00	6.50	Phenylethyl Butyrate, 1 lb. bot.	26.00	28.00	Verona, powd. bbls. ....	.09	.10
Ionone, 1 lb. bot. 100%	10.00	11.00	Formate, 1 lb. bot.	19.00	21.00	Petrolatum, snow white 350 lb. bbls. ....	.13 1/2	.13
Alpha	14.50	16.00	Propionate, 1 lb. bot.	26.00	24.00	Light Amber, 350 lb. bbls. ....	.04 1/2	.05
Beta	12.75	14.50	Valerate, 1 lb. bot.	25.00	29.00	Rice Starch, 140 lb. bgs. ....	.05	.10
Methyl	16.00	18.00	Phenylpropylalcohol, 1 lb. bot.	15.00	16.00	Rose Water, 6 3/4 gal. chgs.	1.00	1.25
Iso-Butyl Benzoate, 5 lb. bot.	4.75	5.00	Skatol, 1 oz. bot.	7.00	7.25	Sandalwood chips, powd., bags. ....	.30	.35
						Saponin, 5 lb. tins.	1.25	1.50
						Talc, Italian, 230 lb. bgs.	60.00	80.00
						French, 220 lb. bags.	40.00	45.00
						Domestic, ref., 100 lb. bags.	14.00	15.00



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ACIDS—Carbolic, 33 drs., Order, Hamburg; Citric, 70 cks., Order, Palermo; Stearic, 3 brls., Franks Chem. Prod. Co., Rotterdam; Tartaric, 20 brls., 50 cks., W. Benkert Co., Rotterdam; 250 cks., Order, Palermo
ALBUMEN—3 cs., I. R. Boody & Co., Taku Bar; 11 cs., Sino Java Handels Inc., Shanghai; 19 cs., Importers Commission Co., Shanghai; 56 cs., Jardine Matheson Co., Shanghai; **Hen**, 36 cs., McAndrews & Forbes, Shanghai
ALCOHOL—Methyl, 100 cks., Kuttroff Pickhardt Co., Rotterdam; 305 cks., G. W. Sheldon & Co., Rotterdam
ALMOND MEAL—10 cs., Ungerer & Co., London
ALOES—270 cs., Amer. Trdg. Co., Curacao
AMMONIUM—Carbonate, 3 cks., Kuttroff Pickhardt Co., Rotterdam; Chloride, 5 cs., Wing & Evans, Liverpool; Fluoride, 20 cs., Winter Wolff & Co., Bremen; Muriate, 100 cks., Kuttroff Pickhardt & Co., Rotterdam
ANTIMONY—250 cs., Order, Hankow; 191 cs., C. Hardy, Hankow; Oxide, 149 bgs., Order, Hankow; Regulus, 320 cs., Standard Bank of So. Africa, Hankow; 200 cs., Wah Chang Trdg. Corp., Shanghai; 20 pgs., H. Hollesen Shanghai; 213 cs., Brandeis Goldschmidt Co., Trieste; 20 cks., Order, London; 200 cs., C. Hardy Inc., Hankow
ARGOLS—38 cks., Tartar Chem. Wks., Naples
ARSENIC—476 brls., Amer. Smelt. & Ref. Co., Tampico
BARIUM—Chloride, 153 cks., Goldschmidt Corp., Rotterdam; 50 cks., Order, Rotterdam
BARKS—Cinchona, 18 bgs., Guaranty Trust Co., Rotterdam; 19 bgs., Order, London
BASILIT—10 brls., R. W. Greeff & Co., Rotterdam

BERRIES—Juniper, 50 bgs., Stallman & Co., Trieste
CAMPHOR—Crude, 100 cs., C. Pfizer & Co., Hongkong
CARBON—Decolorizing, 38 brls., 441 bgs., L. A. Salmon & Bro., Rotterdam
CASEIN—1,667 bgs., Order, Buenos Aires; 52 bgs., Order, Hamburg; 100 bgs., Equit Trust Co., Havre
CHALK—50 bgs., Brown Bros. & Co., Leghorn; 550,000 kilos, Tainter Trdg. Co., Dunkirk; 2,000 bgs., Hammill & Gillespie, Havre; 2,000 bgs., S. L. Libby Corp., Havre; 20 cs., Brunswick Balke Collender Co., Havre
CINCHONINE—5 cs., R. W. Greeff & Co., Rotterdam
COAL TAR DISTILLATE—6 drs., W. E. Jordan & Bro., Glasgow
COLORS—28 cks., Geigy Co., Havre; 64 cks., Ciba Co., Havre; 4 cs., W. F. Sykes & Co., Havre; 20 cks., Sandoz Chem. Wks., Havre; 20 cs., R. F. Downing & Co., London; 48 cks., Kuttroff Pickhardt Co., Rotterdam; 7 cks., H. A. Metz & Co., Rotterdam; 25 cks., Sherwin Williams & Co., Southampton; 12 cks., H. A. Metz & Co., Hamburg; 22 cks., Kuttroff Pickhardt & Co., Hamburg; 5 pgs., Carbic Color & Chem. Co., Hamburg; 1 cse., T. Riessner, Hamburg; 5 cs., Franklin Imp. & Exp. Co., Hamburg; 13 cs., Favor Ruhl Co., Hamburg; Bronze, 29 cs., Baer Bros., Bremen; 18 cs., B. F. Drakenfeld Co., Bremen; 2 cs., Martin & Bechtold, Bremen; 24 cs., L. Uhlfelder, Bremen; 15 pgs., A. W. Fenton, Bremen; 2 cs., Koeller Struss Co., Hamburg; Coal Tar, 7 cks., 1 cse., H. A. Metz & Co., Rotterdam; Earth, 33 cs., L. H. Butcher & Co., Bremen; 1 ck., Order, Rotterdam; 1 ck., Order, Rotterdam; 19 cks., L. H. Butcher & Co., Bremen

DIVI DIVI—100 bgs., P. R. Rincones Jr. & Co., Maracaibo
DRAGONS BLOOD—9 cs., Gambouge & Co., Singapore
EXTRACTS—9 cks., Carbic Color & Chem. Co., Havre; Mangrove, 100 bxs., W. A. Ross & Bros., Liverpool; Quebracho, 14,397 bgs., Beekman Winthrop, Buenos Aires
FLOWERS—16 bls., Order, Marseilles; Verbascos, 5 cs., E. Hesselbach, Trieste
FLUORSPAR—250 bgs., Roessler & Hasslachier Chem. Co., Hamburg
GALANGAL—25 bls., Chase Nat. Bk., Hongkong
GALLNUTS—240 bgs., R. Clancy, Hankow; 480 bgs., Zinsser & Co., Hankow; 117 cs., Order, Hankow; 580 bgs., Zinsser & Co., Hankow; 129 bgs., Determann & Co., Hankow
GLUE—50 bgs., Milligan & Higgins Glue Co., London; 268 bgs., Order, Rotterdam
GLYCERIN—36 drs., Harshaw Fuller & Goodwin, Havana
GUMS—8 bls., Determann & Co., Manila; 20 cs., 7 bgs., Brown Bros. & Co., Singapore; 250 bgs., 50 cs., Chem. Nat. Bk., Singapore; 20 bgs., G. H. Lincks Co., Marseilles; Arabic, 30 bgs., Thurston & Braidich, Marseilles; Sandarac, 10 bgs., G. Wills & Sons, Casablanca; Chiclé, 250 bgs., Chiclé Dev. Co., Belize; 10 bgs., Gomez & Sloan, Vera Cruz; 300 bgs., Chiclé Dev. Co., Vera Cruz; Copal, 118 bgs., J. H. Faunce, Liverpool; 60 bgs., S. Winterbourne & Co., London; 88 bgs., Innes & Co., Manila; 427 bgs., Order, Macassar; 672 bgs., Kidder Peabody & Co., Macassar; 282 bls., Irving Bk., Macassar; 332 bgs., Standard Bk. of So. Africa, Macassar; 195 bkts., W. Scheel, Macassar; 554 bkts., 215 bgs., Paterson Boardman &

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HERBS—2 cs., Hensel Bruckmann & Lorbacher, Bremen; 8 bls., Order, Trieste

IRON CHLORIDE—55 cks., Order, Hamburg

IRON OXIDE—19 cks., J. A. McNulty, Liverpool; 68 cks., Order, Liverpool; 214 bbls., Hummel & Robinson, Malaga; 227 bbls., C. J. Osborn, Malaga; 108 bbls., J. L. Smith & Co., Malaga; 114 bbls., Reichard Coulston, Malaga; 100 bbls., E. M. & F. Waldo, Malaga; 46 bbls., L. H. Butcher & Co., Malaga; 125 bbls., Order, Malaga; Sulfate, 180 cks., Order, Hamburg

LEAVES—19 cs., 16 bls., Armand Gaidan Freres, Marseilles; Jaborandi, 58 bls., Order, Parahyba; Laurel, 2 bls., Order, Tangier; Patchouli, 119 bls., Brown Bros. & Co., Singapore; 60 bls., Order, Penang; 51 bls., Order, Singapore; Sage, 25 bls., P. E. Anderson & Co., Trieste; 90 bls., Bk. of America, Trieste; 25 bls., Van Loan & Co., Trieste; 76 bls., Bk. of America, Trieste; Senna, 19 bls., Order, London; 268 bls., Order, Pt. Sudan; 200 bbls., Order, Colombo; Stramonium, 47 bbls., S. B. Penick & Co., Trieste; Thyme, 30 bbls., Stallman & Co., Marseilles; 11 bbls., Order, Marseilles

LICORICE—Cuttings, 5 bgs., Peek & Velsor, Marseilles; 50 bgs., McLaughlin Gormley & King, Marseilles; 5 bls., Order, Marseilles

LIME—Carbonate, 743 bgs., C. Pfizer & Co., Marseilles; Tartrate, 294 bgs., C. Pfizer & Co., Buenos Aires

MANGANESE—Peroxide, 1 csc., Mitsui & Co., Osaka

MAGNESIUM—Chloride, 184 bbls., Order, Hamburg

MENTHOL—24 cs., Seltzer, Havre; 10 cs., S. W. Bridges & Co., Kobe; 5 cs., Stanley Jordan & Co., Kobe; 10 cs., S. W. Bridges & Co., Yokohama; 5 cs., Blyth Green & Jordan, Kobe; 100 cs., S. W. Bridges & Co., Kobe

META CRESOL—2 drs., W. E. Jordan, Liverpool

MYROBALANS—1,000 pkts., Nat. City Bank, Calcutta; 6,368 pkts., Order, Calcutta

NAPHTHALENE—504 bgs., Pacific Chem. Co., Hamburg

OILS—Acetone, 39 drs., R. W. Greeff & Co., Hamburg; Coconut, 1,172 tons, Philippine Ref. Corp., Manila; 1,110 tons, Spencer Kellogg & Sons, Manila; 714 tons, Procter & Gamble, Manila; 925 tons, Procter & Gamble, Manila; 783 tons, Amer. Linseed Co., Manila; Cod, 300 cks., Nat. Oil Prod. Co., St. Johns; 150 cks., Bowring & Co., St. Johns; 160 cks., R. Badcock & Co., St. Johns; Codliver, 10 bbls., Baldwin Universal Co., Rotterdam; 100 bbls., Order, Rotterdam; Haarlem, 20 cs., Order, Rotterdam; Linseed, 360 bbls., Order, Rotterdam; Palm, 30 cks., Guaranty Trust Co., Liverpool; 156 cks., Order, Liverpool; 47 cks., D. Bacon, Liverpool; 1,213,000 kilos, Nat. Bk. Commerce, Hamburg; Perilla, 295 bbls., I. R. Boody & Co., Dairen; Sardine, 500 bbls., Procter & Gamble, Kobe; Sesame, 100 bbls., J. C. Francesconi & Co., Rotterdam; Sod, 10 bbls., Order, Liverpool; Rapeseed, 450 bbls., Oriental Vegetable Oil Co., Kobe; 300 bbls., W. R. Grace & Co., Kobe; Tar, 2 drs., A. V. Britton, Liverpool; Wood, 493 cks., I. R. Boody & Co., Hankow; 446 cks., G. W. S. Patterson & Co., Hankow; 300 cks., Order, Hankow; 58 cks., Union Bk., Canada, Hankow; 1,185 cks., Bingham & Co., Hankow; 146 bbls., Order, Hankow; 300 cks., Amer. Exch. Nat. Bk., Hankow; 578 cks., Nat. City Bk., Hankow; 292 cks., Grace Nat. Bk., Hankow; 830 cks., 745 bbls., Order, Hankow; 287 bbls., Amer. Linseed Co., Hankow; 200 bbls., Mitsui & Co., Hankow; 100 bbls., Amer. Finance & Commerce Co., Hankow; 150 cks., Wah Chang Trdg. Co., Hankow; 180 cks., W. R. Grace & Co.,

Hankow; 141 drs., Amer. Linseed Co., Hankow

OILS, ESSENTIAL—7 cs., Morana Inc., Havre; 7 cs., Ungerer & Co., London; 10 cs., Magnus Mabec & Reynard, Kobe; 5 cs., Polacks Frutal Works, Rotterdam; 10 bbls., P. R. Dreyer, Cannes; 4 bbls., Fritzsche Bros., Cannes; 20 cs., Order, Trieste; 14 cs., Roure Bertrand, Southampton; Almond, 5 cs., Ungerer & Co., London; 10 cs., J.B. Horner & Co., Malaga; Anise, 4 drs., Lehn & Fink, Hongkong; 20 drs., Orbis Prod. Trdg. Co., Hongkong; 6 drs., Ungerer & Co., Hongkong; 10 drs., G. Lueders & Co., Hongkong; Bergamot, 44 cs., Guaranty Trust Co., Messina; 100 cs., G. Lueders & Co., Messina; Camphor, 24 drs., Seral Trdg. Co., Shanghai; 100 drs., Orbis Prod. Trdg. Co., Kobe; 7 drs., Importers Comm. Co., Shanghai; 7 drs., Equit. Eastern Trdg. Corp., Shanghai; 150 drs., Dodge & Olcott, Hongkong; 100 drs., Barton & Bush, Kobe; Cassia, 10 drs., Brown Bros. & Co., Hongkong; 10 drs., Goldman Sachs Co., Hongkong; 10 drs., Order, Hongkong; 5 drs., Order, Hongkong; 25 cs., Am. Exch. Nat. Bk., Hongkong; Cinnamon, 6 drs., Phila. Nat. Bk., Colombo; Citronella, 10 drs., Volkhart Bros., Colombo; 8 drs., Phila. Nat. Bk., Batavia; 5 drs., Chat & Phenix Nat. Bk., Batavia; 4 drs., Phila. Nat. Bk., Batavia; Fusel, 1 bbl., Order, Trieste; 30 drs., Order, Venice; Geranium, 9 cks., Guaranty Trust Co., Marseilles; 12 cks., Order, Marseilles; Juniper, 3 cs., Order, Trieste; Lavender, 2 cs., Dodge & Olcott Co., Cannes; 2 cs., Dodge & Olcott Co., Cannes; Lemon, 100 cs., G. Lueders & Co., Messina; Lime, 3 drs., Fritzsche Bros., Order, Vera Cruz; Linaloe, 3 drums, Order, Vera Cruz; Orange, 20 cs., Order, Kingston; 20 cs., Magnus Mabec & Reynard, Malaga; 100 cs., Order, Messina; Origamum, 6 drs., Orbis Prod. Trdg. Co., Malaga; Terpenylacetate, 41 cs., Pfaltz & Bauer, Rotterdam; 2 cs., G. Lueders & Co., Hamburg

OPIUM—20 cs., Order, Rotterdam

PITCH—Stearine, 52 bbls., Amer. Exch. Nat. Bk., Rotterdam; 30 bbls., Order, Rotterdam

PLUMBAGO—666 bgs., Brown Bros. & Co., Colombo; 50 bbls., N. Y. Trust Co., Colombo

POTASSIUM SALTS—21 cks., Corn Exch. Bk., Bremen; 335 bgs., Ste. Comm. des Potasses d'Alsace, Havre; Alum, 1 csc., Order, Hamburg; Bromate, 100 cs., Order, Hamburg; Carbonate, 72 cks., Parsons & Petit, Hamburg; Chlorate, 400 kgs., Order, Hamburg; Murate, 2,550 bgs., Potash Imptg. Corp., Bremen; Nitrate, 80 cks., Fuller & Goodwin, Jamaica; 1,016 bgs., Kuttroff Pickhardt & Co., Rotterdam; 160 bbls., Order, Hamburg; Perchlorate, 250 bbls., C. Hardy, Havre

POTATO STARCH—250 bgs., Order, Rotterdam

QUICKSILVER—16 flasks, Haas Bros., Tampico; 20 flasks, McKesson & Robbins, Vera Cruz; 15 flasks, Poillon & Poirier, Vera Cruz; 250 flasks, Order, Alicante

QUININE—19 cs., R. W. Greeff & Co., Rotterdam

ROOTS—10 bbls., S. B. Penick & Co., Hamburg; Aconite, 7 bbls., Chem. Nat. Bk., Rotterdam; 3 bbls., Armand Gaidan Freres, Marseilles; Canagria, 24 bgs., Order, Vera Cruz; Ipecac, 8 bbls., Bank of London & So. Amer., Bahia; 21 bbls., Colombia Amer. Corp., Cartagena; Orris, 218 bbls., 10 cks., 5 cs., Order, Leghorn; 27 bgs., Order, Leghorn; Sarsaparilla, 25 bbls., D. L. Bretzfelder, Tampico

ROSIN—20 cs., Order, Trieste

SAFFRON—1 csc., G. W. Sheldon & Co., Havre

SALT—280 sks., W. A. Hazard & Co., Liverpool

SILVER SULFIDE, 1 csc., Amsinck Sonne & Co., Salaverry

SOAP—11 cs., E. Gould, Havre; 33 cs., J. C. Murray & Co., Rotterdam

SHELLAC—100 bgs., Brown Bros. & Co., Calcutta; 300 bgs., Bk. of London & So. Amer., Calcutta; 825 bgs., Order, Calcutta; 25 cs., C. F. Gerlach, Rotterdam; 100 bgs., Lee Higginson, Calcutta; 125 bgs., Standard Bk. of S. Amer., Calcutta; Garnet, 35 bgs., Brown Bros. & Co., Calcutta; 20 cs., Order, Hamburg; Seedlac, 650 bbs., Order, Calcutta; Sticklac, 107 cs., Innes & Co., Bangkok; 343 cs., Order, Bangkok; 100 cs., Amer. Exch. Nat. Bk., Singapore; 224 bgs., H. A. Dogget & Co., Singapore

SODIUM SALTS—Cyanide, 170 drs., Order, Liverpool; Cyanure, 221 cs., Anglo So. Amer. Trust Co., Havre; Fluoride, 50 drs., Globe Shpg. Co., Rotterdam; 77 cks., Globe Shpg. Co., Bremen; Nitrate, 6,977 bgs., Graham Rowe & Co., Antofagasta; 7,850 bgs., Anglo So. Amer. Trust Co., Antofagasta; 6,858 bgs., Anglo So. Amer. Trust Co., Iquique; 7,041 bgs., Wessel Duval & Co., Iquique; 1,660 bgs., Kuttroff Pickhardt Co., Hamburg; Sulfhydrate, 13 drs., C. S. Grant & Co., Rotterdam

SPICES—Cassia, 150 bbls., Order, Canton; 150 bbls., Irwin Harrison & Whitney, Canton; 100 bbls., Van Loan & Co., Canton; Chillies, 58 bgs., Italia Amer. Shpg. Co., Naples; Cinnamon, 200 bbls., Phila. Nat. Bk., Colombo; Cloves, 300 bbls., Order, Rotterdam; 60 bbls., Italia Amer. Shpg. Co., Naples; 1,280 bbls., Order, Zanzibar; 925 bbls., Standard Bk. of So. Africa, Zanzibar; 500 bbls., Fidelity Intern. Trust Co., Zanzibar; Ginger, 50 bgs., J. E. Kerr & Co., Kingston; 49 bgs., Order, Kingston; 50 cks., Brown Bros. & Co., Hongkong; 13 bgs., M. H. Grace & Co., Jamaica; 125 cks., Order, Hongkong; Pepper, Black, 500 bgs., Order, Batavia; 500 bgs., Bk. of N. Y. & Trust Co., Batavia; 500 bgs., Mech. & Metals Nat. Bk., Telok Betong; 750 bgs., Core & Herbert, Telok Betong; 6,500 bgs., Bank of N. Y. & Trust Co., Telok Betong; 500 bgs., Heidelberg Ickelheimer, Telok Betong; 250 bgs., Irwin Harrison & Whitney, Telok Betong; 350 bgs., Amer. Exch. Nat. Bk., Telok Betong; 500 bgs., Guaranty Trust Co., Telok Betong; 500 bgs., Bk. of Manhattan Co., Telok Betong; 250 bgs., W. Schall & Co., Telok Betong; 500 bgs., Bk. of America, Telok Betong; 1,000 bgs., Lee Higginson & Co., Telok Betong; 1,000 bgs., Littlejohn & Co., Telok Betong; 1,000 bgs., Intern. Credit Hvg., Telok Betong; 2,000 bgs., H. P. Winter & Co., Telok Betong; 500 bgs., Order, Telok Betong; 15 bgs., Bk. of America, Singapore; Pepper, White, 192 bgs., C. E. Armstrong Co., Singapore

SUMAC—420 bgs., Order, Palermo

SEEDS—40 bbls., Armand Gaidan Freres, Marseilles; 42 bgs., Champon Co., Marseilles; 23 bbls., S. B. Penick & Co., Marseilles; 11 bgs., H. R. Lathrop, Marseilles; Canary, 250 bgs., J. Chana & Co., Casablanca; 48 bgs., Order, Casablanca; Caraway, 250 bbls., Habicht Braun & Co., Rotterdam; 200 bbls., 500 bgs., French Kremer Co., Rotterdam; 200 bgs., Order, Rotterdam; Cardamom, 12 bgs., Bk. of America, Colombo; 10 cs., C. T. Wilson & Co., London; 25 cs., Order, Colombo; Castor, 3,386 bgs., Baker Castor Oil Co., Pernambuco; 5,900 bgs., Order, Pernambuco; 2,550 bgs., Order, Bahia; Celery, 84 bgs., Order, Marseilles; Coriander, 450 bgs., J. Chana & Co., Casablanca; 375 bgs., Order, Casablanca; Cumini, 195 bgs., Order, Rotterdam; 112 bgs., Order, Malta; 111 bgs., Westminster Bk., Hamburg; Fenugreek, 250 bgs., Order, Casablanca; Poppy, 450 bbls., Ideal Trdg. Co., Rotterdam; 200 bgs., M. Mitsen Trdg. Co., Rotterdam; 300 bgs., French Kremer Co., Rotterdam; Rape, 300 bbls., G. W. Sheldon & Co., Rotterdam

TALC—500 bgs., Nat. City Bk., Genoa; 1,700 bgs., Ital. Discount & Trust Co., Genoa; 980 bgs., C. Mathieu, Genoa; 125 bgs., Kouz-tze Bros., Genoa; 200 bgs., Order, Genoa

TAPIOCA—13,746 bgs., Nat. City Bk., Sourabaya; 262 bgs., Order, Samarang; 575 bgs., Order, Batavia; Flour, 2,389 bgs., Stein Hall & Co., Batavia; 255 bgs., Order, Sourabaya; 255 bgs., Nat. City Bk., Batavia; 760 bgs., Chat & Phoenix Nat. Bk., Batavia; 251 bgs., French Amer. Bkg. Corp., Batavia; 172 bgs., Guaranty Trust Co., Batavia; 1,900 bgs., Goldman Sachs Co., Batavia; Pearl, 2,007 bgs., Stein Hall & Co., Batavia; 366 bgs., E. Boustead & Co., Penang; Seed, 287 bgs., Stein Hall & Co., Batavia; Siftings, 118 drs., Stein Hall & Co., Batavia

TARTAR—200 bgs., C. Pfizer & Co., Marseilles; 190 bgs., Tartar Chem. Wks., Marseilles; 77 bgs., Tartar Chem. Wks., Marseilles; 86 bgs., Tartar Chem. Wks., Alicante; 78 bgs., C. Pfizer & Co., Alicante; Cream, 50 kgs., A. Klipstein & Co., Genoa

TEA WASTE—250 bgs., Order, Calcutta

TETRACHLORAEthane—8 bbls., Brown Bros. & Co., Hamburg

THYMOL—4 cs., Mallinckrodt Chem. Wks., Rotterdam; 5 cs., Order, Hamburg
TUSCAN RED—8 cks., J. A. McNulty, Liverpool

ULTRAMARINE—1 brl., F. B. Vandegrift & Co., Rotterdam; Blue, 24 cs., A. Maharric, Glasgow

VANILLA BEANS—8 cs., Gomez & Sloan, Vera Cruz; 2 cs., P. H. Petry & Co., Marseilles; 2 cs., Order, Batavia

WAX—40 bgs., L. S. Taintor, Hamburg; 6 bgs., W. Schall & Co., Porto Plata; Bees, 21 bgs., Bank of America, Leghorn; 22 bls., D. Steengrafe, Rio de Janeiro; 30 bxs., Nat. City Bk., Rio de Janeiro; 43 bls., Amer. Trdg. Co., Rotterdam; Carnauba, 35 bgs., Elbert & Co., Pernambuco; 112 bgs., Bk. of London & So. America, Bahia

WOODFLOUR—208 bgs., Bakelite Corp., Rotterdam

WOOL GREASE—25 bbls., W. Schall & Co., Bremen; 50 bbls., Pfaltz & Bauer, Bremen; 75 bls., Order, Rotterdam

ZINC—Chloride, 27 cks., Goldschmidt Corp., Rotterdam; Dust, 60 cs., Mitsui & Co., Kobe; Oxide, 200 brls., Order, Marseilles; Sulfide, 2 cks., C. A. Sykes, London

IMPORTS AT PHILADELPHIA

Feb. 11 to 18

ACID—Formic, 80 carboys, Koons Wilson & Co., Rotterdam; 294 balloons, R. W. Greeff & Co., Rotterdam; Oxalic, 22 cks., Order, Rotterdam

ALUMINA—Sulfate, 225 bgs., Order, Rotterdam

BARIUM—Chloride, 59 cks., International Accep. Bank, Rotterdam

CHALK—1,000 tons, Brown Bros. & Co., London; 400 bgs., Order, Havre; 5,000 tons, Brown Bros. & Co., Boulogne

CHEMICALS—200 bgs., Order, Hamburg; 250 bgs., Harshaw, Fuller & Goodwin Co., Rotterdam; 450 bgs., Order, Rotterdam

COLLODION EMULSION—4 cs., J. L. Vanderschuer, Hamburg

COLORS—Earth, 5 cks., Order, Rotterdam

EPSOM SALT—400 bgs., C. Tennant Sons & Co., Hamburg

FLUORSPAR—500 bgs., Order, Hamburg

GLAUBER'S SALT—382 bgs., Phila. Nat. Bk., Rotterdam

GLUESTOCK—117 bls., Order, Leghorn

GLYCERIN—200 drs., Order, London; 105 drs., New York Trust Co., Rotterdam; Soaplye, 70 drs., Order, Dunkirk

GUM—Copal, 119 bgs., John H. Faunce, Liverpool

LIME—Chlorinated, 12 cs., W. Kohnstamm & Co., Liverpool; 25 cs., Order, Liverpool

MANGANESE—Chloride, 25 cks., Am. Exp. Co., Bremen

MOLASSES—623,500 gals., David Berg Ind. Alcohol Co., Havana

OIL, ESSENTIAL—Citronella, 12 drs., Phila. Nat. Bank, Batavia

PHOSPHORUS—23 bottles, Order, Hamburg
POTASH—50,000 kilos, 111 bgs., Societe Commerciale des Potasses d'Alsace, Dunkirk; Nitrate, Refined, 80 cks., Harshaw, Fuller & Goodwin Co., Antwerp

SODIUM—Bromide, 162 cs., Order, Hamburg; Chlorate, 100 bbls., Seaboard Nat. Bk., Hamburg; Nitrate, 125 cks., Order, Rotterdam

SUMAC—Ground, 560 bgs., J. S. Young & Co., Palermo; 350 bgs., Order, Palermo; Leaf, 100 bls., Order, Palermo

IMPORTS AT BALTIMORE

Feb. 13 to 19

AMMONIA—Sulfate, 1,117,600 lbs., F. H. Shallus Co., Blommersdijk, Rotterdam

BRISTLES—65 cases, Rennous-Kleinle Div. of Pittsburgh Plate Glass Co., Diana Dollar, Seattle

CHEMICALS—50 casks, Roessler & Hasselacher Chem. Co., New York, Blommersdijk, Rotterdam

CORK—30 bales, Crown Cork and Seal Co., Blommersdijk, Rotterdam

FLUOR-SPAR—266 tons, Shriver & Co., Manchester Mariner, Manchester

GLUE—60 bags, 6,732 lbs., Levy & Sons, Liberty, Havre

LITHOPONE—60 casks, C. M. & F. Waldo, Missouri, Antwerp

MOLASSES—1,300,000 gals., Cuba Distributing Co., Carrabulle, Nuevitas

OIL—Sesame, 250 drs., John S. Connor, Blommersdijk, Rotterdam; 69 drs., to order Blommersdijk, Rotterdam

POTASH—Kainit, 199,683 lbs., F. H. Shallus Co., Yaye Maru, Hamburg; 200 tons, Potash Imptg. Corp., Yaye Maru, Hamburg; 150 tons, Potash Imptg. Corp., Yaye Maru, Hamburg; 50 tons, Potash Imptg. Corp., Yaye Maru, Hamburg; Manure Salt, 200 tons, Potash Imptg. Corp., Yaye Maru, Hamburg; 145 tons, F. H. Shallus Co., Yaye Maru, Hamburg; Muriate, 3,500 bags, 300 tons, F. H. Shallus Co., Yaye Maru, Hamburg

PHARMACEUTICAL PRODUCTS—6 cases, Baltimore and Ohio Railroad, Yaye Maru, Hamburg

PYRETHRUM FLOWERS—50 bales, Western Drug Importers Inc., Diana Dollar, Vancouver; 75 bales, McCormick & Co., Diana Dollar, Seattle

SEED—Mustard, 650 bags, Baltimore and Ohio railroad, Rexmore, Liverpool; 50 bags, F. H. Shallus Co., Blommersdijk, Rotterdam

STARCH—Potato, 100 bags, Stein Hall & Co., Inc., Blommersdijk, Rotterdam

WOOL GREASE—200 bbls., Kidder Peabody Acceptance Corp., Leguria, Hamburg

IMPORTS AT SAN FRANCISCO

Feb. 7 to 14

ANTIMONY—Regulus, 200 cases, H. M. Newhall & Co., Canton

CARBON—25 packages, Order, Glasgow
OIL—Coconut, 280 tons, Mercantile Trust Co., Manila; Peanut, 22 cases, Sing Fat Co., Hongkong

SHELLAC—50 bgs., H. W. Peabody & Co., Calcutta

SODA—Nitrate, 16,521 bags, Pacific Guano Fertilizer Co., Ltd., Iquique; 11,072 bags, Anglo & London, Paris Natl. Bank, Iquique

Burrough Bros. Mfg. Co., Cleveland, Ohio

IMPORTS AT BOSTON

Feb. 14 to 21

ACID—Cresylic, 1 dr., Grand Trunk R. R., London

COLORS—Aniline, 28 cks., Dyestuffs Corp. of Am., Liverpool

IRON OXIDE—10 cks., Order, Liverpool

OIL—Codliver, 100 bbls., N. F. Carleton Hovey Co., St. Johns; 59 cks., Marden Wild Corp., St. Johns

STICKLAC—504 bgs., Int. Banking Corp., China; 882 bgs., E. S. Parks Shellac Co., China; 224 bgs., Int. Banking Corp., Singapore

TRAGACOL—55 cks., J. P. Marston & Co., Liverpool

WOOL GREASE—300 bbls., Marden Wild Corp., Manchester

IMPORTS AT NEW ORLEANS

Feb. 6 to 20

AMMONIUM—Muriate, 11,398 lbs., Order, Germany

BAUXITE—7,925 tons, Republic Mining & Mfg. Co., Georgetown, D. C.; 4,939 tons, Republic Mining & Mfg. Co., Paramaribo, D. C.; 2,721 tons, New Orleans & South American Steamship Co., Paramaribo, D. C.

CHALK—300 bags, Order, Antwerp

COPRA—5,008 tons, Procter & Gamble, Cebu

FULLER'S EARTH—1,800 sks., Order, London

GUM—Chicle, 3,504 bls., Mexican Exploitation Co., Progreso; 659 bls., Chicle Development Co., Progreso; 593 bls., Illinois Central Railroad, Progreso; 583 bls., William Wrigley Jr. Co., Livingston

IRON OXIDE—160 bbls., Order, Malaga

MOLASSES—650,000 gals., Dunbar Molasses Co., Havana; 800,000 gals., Kentucky Alcohol Co., Sagua la Grande; 1,230,000 gals., Am. Sugar Refinery Co., Nuevitas; 200,000 gals., Order, Cienfuegos

NITRATE FERTILIZER—5,086 bgs., Order, Scandinavian Ports

OIL—Creosote, 3,888 tons, The Barrett Co., London; 8,800 tons, American Creosote Wks., London; Olive, 23 tons, Order, Genoa

POTASH—500 bags, Order, Havre; Caustic, 53,851 lbs., Order, Germany

PYRIDINE—4,675 lbs., Order, Germany

ROOT—Canagria, 8 bgs., Order, Vera Cruz; Sarsaparilla, 16 bls., Order, Vera Cruz

SALT—2,000 bgs., Order, Liverpool

SEED—Mustard, 1,106 lbs., Order, Holland

TALC—50 tons, Order, Genoa

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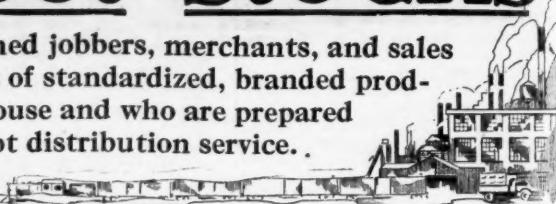
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Bids and Proposals

PANAMA CIRCULAR 1657—The general purchasing officer, the Panama Canal, Washington, will open bids March 13 under cir. 1657 for Manganese.

NAVAL SUPPLIES—Bids are wanted on dates indicated by the Bureau of Supplies and Accounts, Navy Dept., Washington, for miscellaneous supplies for navy yards and stations: Sched. 330, eastern and western yards, monel metal, opening of March 10. Sched. 332, eastern and western yards, zinc, opening of March 10. Sched. 3358, South Brooklyn, 150,000 pts. liquid metal polish, opening of March 3.

MISCELLANEOUS—Bids are wanted on dates indicated by the Bureau of Supply, Treasury Department, Washington, for miscellaneous supplies for federal buildings under control of the Treasury Department: Cir. 3385, 5 items of chemicals. Cir. 3448, Drugs and Chemicals. Cir. 3250, 500 lbs. White Lead.

TREASURY DEPARTMENT, Washington, D. C., General Supply Committee will open bids publicly at 10 A.M. March 3rd, for various drugs, medicines and chemicals, paints, photographic supplies, soap, cleaning and polishing compounds, laboratory supplies and hospital appliances. Write for lists.

PAINTS AND OILS—D. of C. Commissioners—The Commissioners of the District of Columbia, Washington, will receive bids until 2 p.m. March 9 at room 500, District Building, for annual supplies for the fiscal year beginning July 1, 1925, as follows:—Colors, Bronze, Brushes, Charcoal, Enamels, Paints, Ground Glass, Glass, Glue, Gold Leaf, Gypsum, Arsenate of Lead, Paint, Pitch, Glaziers' Points, Putty, Rosin, Shellac, Stain, Turpentine, Pine Tar, Varnish, Whitening, Zinc Oxide, Lubricating Graphite, Grease, Floor Oil, Fuel Oil, Lard Oil, Lubricating Oil, Neatsfoot Oil, 3-in-1 Oil and Paraffin Wax.

SODIUM HYPOCHLORITE—In the market for supplies of a 14% Solution. If you can supply, write with prices and packing to Landscape Specialty Co., 521 Elm St., Sandusky, Ohio.

Business Opportunities

BUSINESS OPPORTUNITY—I am a graduate chemist and am an experienced salesman with some capital at my disposal. If you have a good sound proposition concerning the manufacture or distribution of chemicals or chemical products, write fully to Box 144, DRUG & CHEMICAL MARKETS.

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SELLING AND DISTRIBUTING AGENCY—old established firm dealing with the wholesale and retail drug trade wants live selling accounts for the Pacific Coast on commission basis. Has warehouse facilities and sales force. Will only consider lines that are ready to back the sales with a reasonable amount of advertising in this territory. Will furnish commercial, bank references and R. G. Dun. Address: D. E., 80 Clay Street, San Francisco, Cal.

YOUNG MAN in business for himself, selling direct to consumer, received severe setbacks by recent customers' failures. Cannot go on. Will wind up his business and connect with chemical house—managerial position—incurate new department following his lines. Box 148, DRUG & CHEMICAL MARKETS.

REPRESENTATION IN EUROPE—Chemical man, in American chemical field since 1915 has several reliable European people on hand, who desire to represent American firms in Germany, etc. Traveling East again 1st of April. Articles especially wanted are sulphur, rosins and heavy chemicals. All references. Address replies to Box 152, DRUG & CHEMICAL MARKETS.

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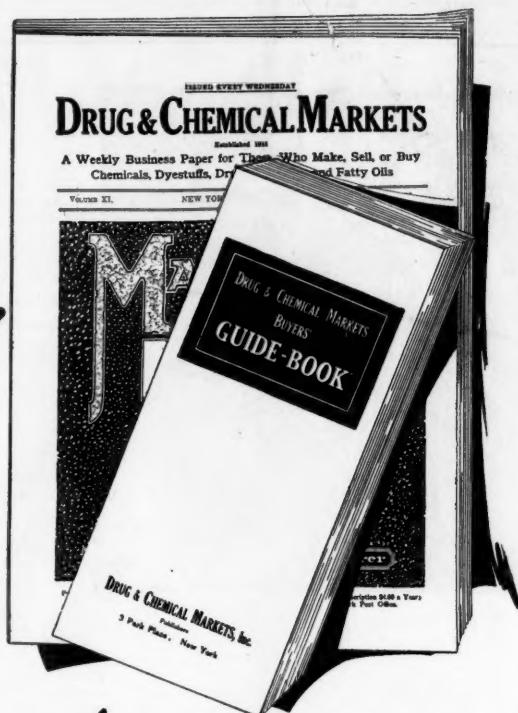
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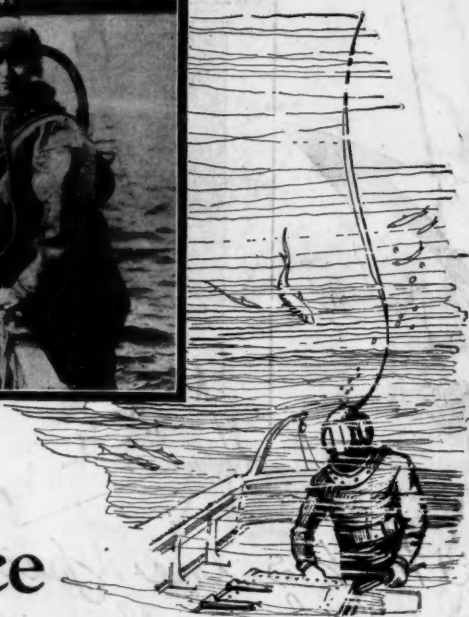
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